Cost estimates were prepared for the initial six-lane freeway construction. The estimate was prepared utilizing the ADOT level 1 cost estimate format which is suitable for the DCR level of project development. The unit prices were based upon recent unit costs available from the ADOT Management Consultant and generally represent 2007 prices.

The total project cost consists of 17.03 miles of SR 303L, 2.0 miles of I-10 and the regional drainage system associated with SR 303L from Van Buren Street to Bell Road. The entire project includes three system interchanges, 10 tight diamond type interchanges, and five half-diamond interchanges, and 10 miles of twolane one-way frontage roads.

In most cases, SR 303L is planned to be elevated with the intersecting arterial at-grade under the freeway. At these locations, approximately 1,200 feet of street construction is included in the freeway cost estimate.

The construction cost estimate is based on the cost of major items including earthwork, paving, drainage, structures, traffic elements, and the relocation of utilities, irrigation, and wells. Sound wall locations have been approximated for the purpose of this cost estimate. Estimates of retaining walls are included. The category of "major items of work" includes curbs, barrier, fencing, etc. A line item of 20% for "unidentified items" has been included to cover the unknowns in the 15% plans developed as part of this DCR. Construction engineering (9%) and contingency (5%) is estimated to be a total of 14% of the construction cost. Engineering and design is estimated to be 8% of the construction cost.

Right-of-way costs were estimated separately from construction and engineering costs. The cost of right-ofway is generally the most volatile cost element of a major project that will be implemented over several years. Staff members from MCDOT, ADOT, and FCDMC were consulted regarding appropriate square foot or per acre unit prices. Given the accelerated rate of development in the corridor, the cost of land is estimated to be significantly greater than was assumed in the 2002 IDCR prepared for a portion of this corridor. The cost estimate does not include purchase of dedicated right-of-way that may be subject to the reverter clause.

The cost of the regional drainage system was estimated separately because it is expected to be jointly funded by the highway project and FCDMC. This system extends from Van Buren Street to Bell Road and includes major detention basins along the corridor as shown in Chapter 6. The FCDMC will construct the system from Van Buren Street to the Gila River as a separate project. No costs have been included in this DCR for that section. It is assumed that the regional drainage system as defined in this document would be built in its entirety concurrent with the construction of the six-lane freeway.

Table 14-1 provides a summary of the overall project cost to construct SR 303L as a six-lane freeway with auxiliary lanes between service interchanges and to construct the north half of the I-10 system interchange, all of the Northern Parkway and US 60 interchanges, and the regional drainage system to Van Buren Street. The construction cost for this freeway from I-10 to US 60 is \$985 million plus \$219 million for right-of-way for the ultimate freeway, the entire I-10 interchange and the regional drainage system. The south half of the I-10 interchange (estimated cost is \$103 million) would be constructed at a later date when SR 303L is extended to MC 85/I-10 Reliever. The "Construction" column in Table 14-1 includes construction administration and contingency.

Cost Estimate Summary (in millions 2007 dollars) **Table 14-1** 

	Construction	Design	Right-of-Way	Total
SR 303L I-10 to US 60 <sup>a</sup>	\$985	\$79	\$219	\$1,283
I-10 Widening/Realign <sup>b</sup>	124	10	62	196
I-10/SR 303 Phase II <sup>c</sup>	103	8	0	111
Total SR 303 and I-10	\$1,212	<b>\$97</b>	\$281	\$1,590

<sup>&</sup>lt;sup>a</sup> Includes north half of I-10 TI, frontage roads to Van Buren, and regional drainage system to Van Buren; SR 303L is six lanes. The entire US 60 and Northern Parkway TIs are included.

I-10 would need to be realigned to the north of its current centerline and widened to accommodate the SR 303L interchange. Those improvements need to be made prior to or concurrent with the construction of the system interchange. The cost estimate for I-10 includes realignment of the three lanes in each direction (to be constructed in 2009 as temporary improvement). Construction of all the I-10 main line bridges in this section is also included in the cost estimate. The improvements included in this cost estimate extend along I-10 from Citrus Road to Sarival Avenue. The cost of the additional lanes needed along I-10 to approach the ramps to SR 303L and to dissipate the ramps from SR 303L was included in the SR 303L system TI cost instead of the I-10 cost. Additional widening of I-10 to the MAG RTP plan of 4+1 lanes is not included in the cost estimate.

The MAG RTP allocates funding to SR 303L in three separate sections: (1) MC 85 to I-10; (2) I-10 to US 60; and (3) US 60 to I-17. In addition, widening and improvements to I-10 and to US 60 are in separate funding pots in the MAG RTP. Since the project as proposed in the DCR includes portions of all these funding pots, the cost estimate has been separated into major components to aid in comparison with the funding pot definitions. The summary in Table 14-2 provides the cost estimate for construction and right-ofway (design is not included) for these separate components and the project total. Figure 14-1 provides a graphical illustration of which portion of the project near I-10 was placed in the various components.

<sup>&</sup>lt;sup>b</sup> 5+1 lanes each direction Citrus Road to Sarival.

<sup>&</sup>lt;sup>c</sup> Includes south half of I-10 TI and SR 303L Van Buren to north of McDowell.

Table 14-2 Cost Estimate by Major Components (in millions 2007 dollars)

Component	Construction	Right-of-Way	Total
SR 303L			
I-10 TI Phase I (North half)	\$172	\$60	\$232
North of McDowell to south of US 60	609	141	750
Northern Parkway TI	54	9	63
US 60 TI	140	9	149
Widen US 60 to six lanes	10	0	10
Subtotal I-10 to US 60	\$985	\$219	\$1,204
I-10 TI Phase II (South half)	\$103	\$0	\$103
Total SR 303L	\$1,088	\$219	\$1,307
I-10 Widen, Realign	\$124	\$62	\$186
	\$1,212	\$281	\$1,493

The estimated construction cost of SR 303L is approximately \$47 million per mile not including the three system interchanges. Construction of the I-10 system interchange is estimated to cost \$400 million and the US 60 interchange is estimated to cost \$149 million. The widening and reconstruction of US 60 for approximately 6,800 feet is estimated to be an additional \$10 million. Construction of the Northern Parkway system interchange is estimated to cost \$54 million for the ramp connections extending to the western abutment of the structure over Sarival Avenue. The SR 303L mainline and the frontage roads connecting the Northern and Olive avenues split half diamond interchanges are not included in that system interchange cost.

The cost estimate in the ADOT level 1 format is shown in Table 14-3. Approximately 12 million cubic yards of excavation will be needed. Some of this material will probably be stockpiled for future construction south of Van Buren Street. Almost 2 million square yards of concrete pavement with rubberized asphalt finish course will be used on the project.

To aid in future project programming, the project cost was estimated by one-mile segments as shown in Figure 14-2. The estimates are provide for each segment in Table 14-4A through 14-4R. Note that Table 14-3 is the sum of Tables 14-4A-R. The system interchange at I-10 is Segment 1. The cost estimate for the I-10 interchange is further divided into three elements: (1) I-10 widening (Table 14-4B), (2) Phase 1 north half of SR 303L system interchange (Table 14-4A), and (3) Phase 2 south half of SR 303L system interchange (Table 14-5). A separate estimate was prepared for Northern Parkway interchange ramps and included as Segment 7A (Table 14-4I). The system interchange at US 60 is Segment 16 (Table 14-4R).

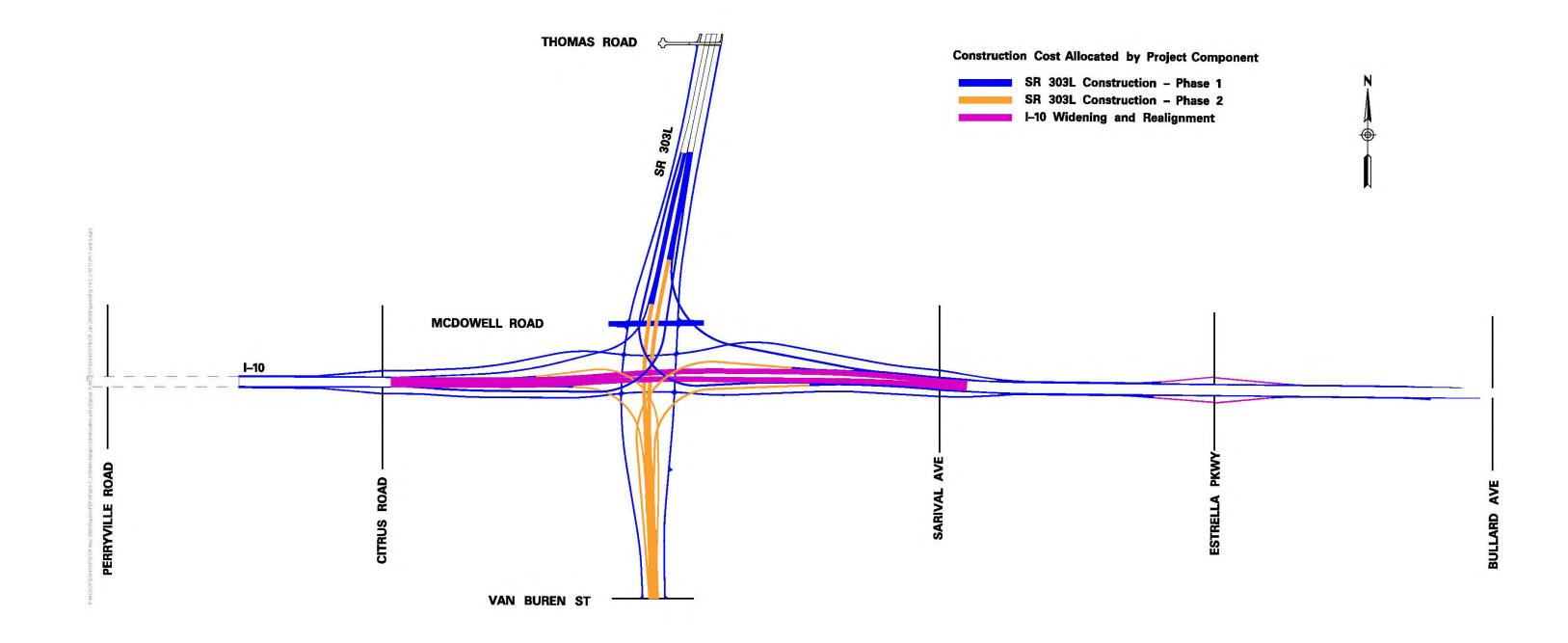


Figure 14-1 I-10/SR 303L Interchange Cost Allocation

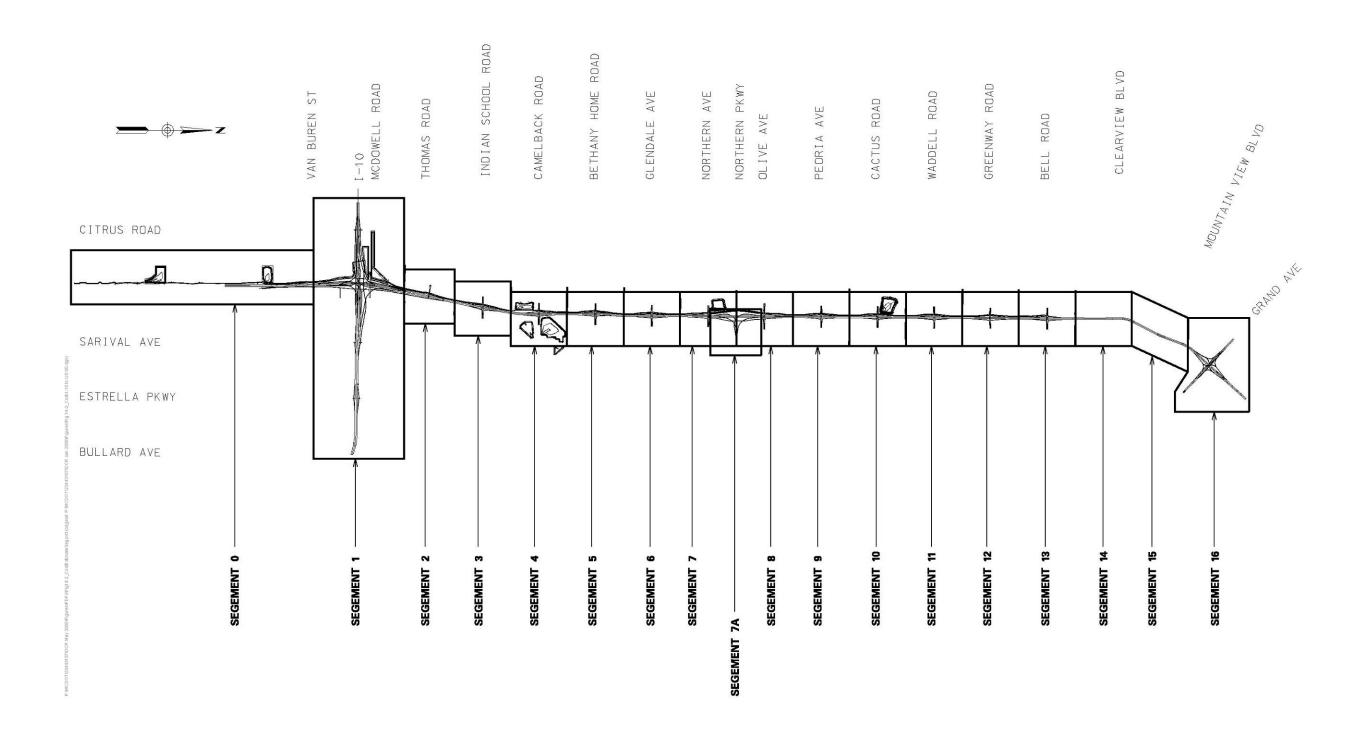


Figure 14-2 Cost Estimate Segments

# ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 1 thru 16 (doesn't include I-10 Phase 2)

LENGTH 16.5 Mile Level 1 PROJECT STATUS: DCR May 2008

	MA YOU WITH A DEFACE PRIMARY		O. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	UNIT	TOTAL
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	COST	COST
200	EARTH WORK				
	ROADWAY EXCAVATION	CU. YD.	3,964,238	3.87 - 5.53	
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	397,709	6.00 - 7.00	
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	694,025	4.50 - 9.50	
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	6,437,708	6.00 - 7.00	
	BORROW	CU. YD.	5,978,369	5.50 - 10.00	V 1885 JUNE 1985 JULY 1985 JUNE 1985
	TOTAL ITEM 200				\$113,777,462
300 & 400	BASE AND SURFACE TREATMENT				
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	1,783,790	48.00 - 56.08	
	ASPHALT PAVEMENT	SQ. YD.	335,470	21.78 - 29.51	\$7,870,08
	TOTAL ITEM 300 & 400	1279			\$101,395,50
500	DRAINAGE		10.00		
	ON-SITE	MILE	21.1	1315k - 2674k	
	OFF-SITE	MILE	21.1	500k - 3185k	\$57,958,62
	PUMP STATION	EACH	1	\$4,871,948	
	TOTAL ITEM 500				\$112,318,65
600	STRUCTURES			1	9.2000.20
	BRIDGE	SQ.FT.	1,424,716	109 -156	The state of the s
	ADMP STRUCTURE	SQ.FT.	177,975	\$55	\$9,788,62
	TOTAL ITEM 600				\$186,037,39
700	TRAFFIC ENGINEERING				010.5.
	SIGNING & STRIPING	MILE	21	\$410,000	
	LIGHTING	MILE	21	400k - 982k	\$18,192,28
	SIGNAL	EACH	38	\$175,000	
	ITS	MILE	21	\$1,120,000	
	TOTAL ITEM 700				\$51,477,78
800	LANDSCAPING		4.0		
	LANDSCAPING TOTAL ITEM 800	MILE	21	\$750,000	\$20,819,45° \$20,819,45°
900	INCIDENTALS				\$20,017,12
	WELL RELOCATION	EACH	17	\$684,000	\$11,628,00
	WALLS (SOUND)	SQ.FT.	1,264,000	\$30	
	WALLS (RETAINING)	SQ.FT.	414,345	\$65	
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.	MILE	21	22,789,500	\$24,021,57
	UTILITY RELOCATION	L.SUM	8	\$0	
	RAILROAD SHOOFLY	EACH	1		\$2,200,00
	TOTAL ITEM 900				\$111,795,00
	SUBTOTAL A				\$697,621,25
	MISCELLANEOUS WORK			20%	\$136,001,37
	SUBTOTAL B				\$833,622,63
	DUST PALLIATIVE		7	2%	\$16,672,45
	FURNISH WATER			2%	\$16,672,45
	MAINTENANCE AND PROTECTION OF TRAFFIC	7		5%	\$41,681,13
	EROSION CONTROL AND POLLUTION PREVEN			2%	\$16,672,45
	CONTRACTOR QUALITY CONTROL			4%	
	TOTAL				\$125,043,40
	SUBTOTAL C				\$958,666,03
	MOBILIZATION			8%	\$76,693,28
	SUBTOTAL D			370	\$1,035,359,31
	INCENTIVES				
	MATERIAL QUALITY (PCCP)	SQ. YD.	1,783,790	\$1.50	\$2,675,68
	MATERIAL QUALITY (AC)	Tons	224,900	\$1.50	
	SMOOTHNESS	LN.MILE	198	\$11,000	
	TOTAL INCENTIVES				\$5,647,60
	SUBTOTAL E				\$1,056,178,77
	CONSTRUCTION ENGINEERING			9%	\$95,056,09
	CONSTRUCTION CONTINGENCY			5%	\$52,808,94
	TOTAL ESTIMATED CONSTRUCTION COST				\$1,108,987,71
	DESIGN ENGINEERING (8%)			8%	\$88,719,01
	ROW	ACRE	1,086	Varies	\$281,003,58
	TOTAL COST				\$1,478,710,31

Table 14-4 A

# ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 1 - I10 Phase 1

LENGTH 1.00 Mile Level 1 PROJECT STATUS: DCR May 2008

TITES 4	MA IOD ITEM DESCRIPTION	IDIT	OH ANTEREN	UNIT	TOTAL
1TEM 200	MAJOR ITEM DESCRIPTION  EARTH WORK	UNIT	QUANTITY	COST	COST
200	ROADWAY EXCAVATION	CU. YD.	515,581	\$3.87	\$1,995,29
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	105,001	\$7.00	\$735,00
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	131,215	\$9.50	\$1,246,54
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	2,159,567	\$7.00	\$15,116,96
	BORROW	CU. YD.	0	Ψ7.00	\$15,110,50
	TOTAL ITEM 200	CO. 1D.			\$19,093,81
300 & 400	BASE AND SURFACE TREATMENT	00 ITD	127.260	0.50.05	04.10==
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	127,260	\$50.35	\$6,407,54
	ASPHALT PAVEMENT	SQ. YD.	135,425	\$21.78	\$2,949,55
500	TOTAL ITEM 300 & 400 DRAINAGE		+	_	\$9,357,09
200	ON-SITE	MILE	1.00	\$2,640,264	\$2,640,26
	OFF-SITE MILE□	MILE	1.00	\$3,184,818	\$3,184,81
	PUMP STATION	EACH	0	\$5,15.,515	\$5,10.,01
	TOTAL ITEM 500				\$5,825,08
600	STRUCTURES				
	BRIDGE	SQ.FT.	503,870	\$120	\$60,464,40
	ADMP STRUCTURE	SQ.FT.	24,400	\$55	\$1,342,00
	TOTAL ITEM 600				\$61,806,40
700	TRAFFIC ENGINEERING	And the first	1 34 343 A		(30) W. S.
	SIGNING & STRIPING	MILE	1.00	\$981,699	\$981,69
	LIGHTING	MILE	1.00	\$973,595	\$973,59
	SIGNAL	EACH	10	\$175,000	\$1,750,00
	ITS	MILE	1.00	\$232,961	\$232,96
	TOTAL ITEM 700				\$3,938,25
800	LANDSCAPING				01.101.00
	LANDSCAPING TOTAL ITEM 800	MILE	1.00	\$1,101,281	\$1,101,28
900	INCIDENTALS		+		\$1,101,28
900	WELL RELOCATION	EACH	2	\$684,000	\$1,368,00
	WALLS (SOUND)	SQ.FT.	0	\$25	Ψ1,500,00 §
	WALLS (SOUND) WALLS (RETAINING)	SQ.FT.	82,400	\$65	\$5,356,00
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc	MILE	1.00	\$1,165,748	\$1,165,74
	UTILITY RELOCATION	L.SUM	1.00	\$418,000	\$418,00
	RAILROAD SHOOFLY	EACH	0	Ψ410,000	9410,00
	TOTAL ITEM 900	LACII			\$8,308,00
	SUBTOTAL A				\$109,429,93
	MISCELLANEOUS WORK			20%	\$21,885,98
	SUBTOTAL B				\$131,315,92
	DUST PALLIATIVE			2%	\$2,626,31
	FURNISH WATER			2%	\$2,626,31
	MAINTENANCE AND PROTECTION OF TRAFFI		1 1	5%	\$6,565,79
	EROSION CONTROL AND POLLUTION PREVEN	TION	1	2%	\$2,626,31
	CONTRACTOR QUALITY CONTROL			4%	\$5,252,63
	TOTAL				\$19,697,38
	SUBTOTAL C				\$151,013,30
	MOBILIZATION			8%	\$12,081,06
	SUBTOTAL D				\$163,094,37
	INCENTIVES				
	MATERIAL QUALITY (PCCP)	SQ. YD.	127,260	\$1.50	\$190,89
	MATERIAL QUALITY (AC)	Tons	90,800	\$1.50	\$136,20
	SMOOTHNESS	LN.MILE	12	\$11,000	\$132,00
	TOTAL INCENTIVES SUBTOTAL E				\$459,09
	project the state of the state		4	00.1	\$164,195,65
	CONSTRUCTION ENGINEERING			9%	\$14,777,60
	CONSTRUCTION CONTINGENCY TOTAL ESTIMATED CONSTRUCTION COST			5%	\$8,209,78
	TOTAL ESTIMATED CONSTRUCTION COST DESIGN ENGINEERING (8%)		1	8%	\$172,405,43 \$13,792,43
			1 1	070	φ13,172,43
	ROW	ACRE	188.9	\$315,400	\$59,579,06

Table 14-4 B

#### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 1 - I10 Only

LENGTH 2.30 Mile PROJECT STATUS: DCR May 2008

TOTAL	MA IOD ITEM DEGOD IDITION	TINTEE	OLI ANITETTI	UNIT	TOTAL
1TEM 200	MAJOR ITEM DESCRIPTION  EARTH WORK	UNIT	QUANTITY	COST	COST
200	ROADWAY EXCAVATION	CU. YD.	0	\$3.87	
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	0	\$7.00	100
			0	\$9.50	
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	180	777.757.75	
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	
	BORROW TOTAL ITEM 200	CU. YD.	0	\$7.00	
	TOTALITEM 200				
300 & 400	BASE AND SURFACE TREATMENT		5. E.T. C		
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	257,865	\$50.35	\$12,983,
	ASPHALT PAVEMENT	SQ. YD.	0	\$21.79	
	TOTAL ITEM 300 & 400				\$12,983,
500	DRAINAGE	MILE	2.20	\$2,640,264	DC 070
	ON-SITE	MILE	2.30		\$6,072,0
	OFF-SITE	MILE	2.30	\$3,184,818	\$7,325,0
	PUMP STATION	EACH	0		010.007
600	TOTAL ITEM 500 STRUCTURES				\$13,397,6
บปป	BRIDGE	SQ.FT.	257,636	\$120	\$30,916,3
	ADMP STRUCTURE	SQ.FT.	52,585	\$55	\$2,892,
	TOTAL ITEM 600	~ 4.1 1.	22,505	\$33	\$33,808,
700	TRAFFIC ENGINEERING				ψυυ,000,º
0.0077	SIGNING & STRIPING	MILE	2.30	\$981,699	\$2,257,
	LIGHTING	MILE	2.30	\$973,595	\$2,239,
	SIGNAL	EACH	0	\$175,000	,,,
	ITS	MILE	2.30	\$232,961	\$535,
	TOTAL ITEM 700			\$255,551	\$5,032,9
800	LANDSCAPING	17.6	1 / 1	7. 65	, ,
	LANDSCAPING	MILE	2.30	\$1,105,281	\$2,542,
	TOTAL ITEM 800				\$2,542,
900	INCIDENTALS WELL BELOGATION	EACH	_	0.04.000	
	WELL RELOCATION	EACH	0	\$684,000	02.262
	WALLS (SOUND)	SQ.FT.	112,000	\$30	\$3,360,
	WALLS (RETAINING)	SQ.FT.	61,600	\$65	\$4,004,
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc	MILE	2.30	\$1,165,748	\$2,681,
	UTILITY RELOCATION	L.SUM	0	\$0	
	RAILROAD SHOOFLY TOTAL ITEM 900	EACH	U		£10.045
	SUBTOTAL A				\$10,045, \$77,809,
	MISCELLANEOUS WORK			20%	\$15,561,
	SUBTOTAL B		0 -		\$93,371,
	DUST PALLIATIVE			2%	\$1,867,
	FURNISH WATER			2%	\$1,867,
	MAINTENANCE AND PROTECTION OF TRAFFI			5%	\$4,668,
	EROSION CONTROL AND POLLUTION PREVEN	TION		2%	\$1,867,
	CONTRACTOR QUALITY CONTROL			4%	\$3,734,
	TOTAL	11 - 11			\$14,005,
	SUBTOTAL C				\$107,377,
	MOBILIZATION SUBTOTAL D		L	8%	\$8,590,
	INCENTIVES				\$115,967,
	MATERIAL QUALITY (PCCP)	SQ. YD.	257,865	\$1.50	\$386,
	MATERIAL QUALITY (AC)	Tons	0	\$1.50	Ψ500,
	SMOOTHNESS	LN.MILE	13.8	\$11,000	\$151,
	TOTAL INCENTIVES	DIATION.	13.0	Ψ11,000	\$538,
	SUBTOTALE				\$118,509,
	CONSTRUCTION ENGINEERING			9%	\$10,665,
<u> </u>	CONSTRUCTION CONTINGENCY			5%	\$5,925,
	TOTAL ESTIMATED CONSTRUCTION COST				\$124,435,
	DESIGN ENGINEERING (8%)	200.20		8%	\$9,954,
	ROW	ACRE	197.2	\$315,400	\$62,196,
	TOTAL COST				\$196,587,

### Draft Design Concept Report SR 303L, I-10 to US 60 Maricopa County Department of Transportation Arizona Department of Transportation

Table 14-4 C

#### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. SECTION Segment 2 - Thomas Road

WORK DESCRIPTION: 6-lane freeway

LENGTH 1.02 Mile

Level 1

				UNIT	TOTAL
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	COST	COST
200	EARTH WORK				
	ROADWAY EXCAVATION	CU. YD.	450,200	\$3.87	\$1,742,2
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	2,667	\$7.00	\$18,66
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	51,358	\$9.50	\$487,90
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	
	BORROW	CU. YD.	0	\$10.00	9
	TOTAL ITEM 200				\$2,248,84
300 & 400	BASE AND SURFACE TREATMENT			7 3 3 1	
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	90,200	\$50.35	\$4,541,5
	ASPHALT PAVEMENT	SQ. YD.	29,425	\$21.79	\$641,1
	TOTAL ITEM 300 & 400	5Q. 1D.	27,123	Ψ21.75	\$5,182,7
500	DRAINAGE				Ψ5,102,7
	ON-SITE	MILE	1.02	\$2,640,264	\$2,693,0
	OFF-SITE	MILE	1.02	\$3,184,818	\$3,248,5
		2002	0	\$3,164,616	
	PUMP STATION TOTAL ITEM 500	EACH	0		05.041.5
600	STRUCTURES				\$5,941,5
000	BRIDGE	GO ET	22.560	\$109	02 556 4
		SQ.FT.	23,560		\$2,556,4
	ADMP STRUCTURE	SQ.FT.	6,840	\$55	\$376,2
	TOTAL ITEM 600				\$2,932,6
700	TRAFFIC ENGINEERING			4.50	
	SIGNING & STRIPING	MILE	1.02	\$981,699	\$1,001,3
	LIGHTING	MILE	1.02	\$973,595	\$993,0
	SIGNAL	EACH	3	\$175,000	\$525,0
	ITS	MILE	1.02	\$232,961	\$237,6
	TOTAL ITEM 700	3500 - 3500		*,	\$2,757,0
800	LANDSCAPING				+-,,-
1.1.1	LANDSCAPING/EROSION CONTROL	MILE	1.02	\$1,105,281	\$1,127,3
	TOTAL ITEM 800			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$1,127,3
900	INCIDENTALS				+=,==-,=
, , ,	WELL RELOCATION	EACH	1	\$684,000	\$684,0
			43,200		
	WALLS (SOUND)	SQ.FT.		\$30	\$1,296,0
	WALLS (RETAINING)	SQ.FT.	940	\$65	\$61,1
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.)	MILE	1.02	\$1,165,748	\$1,189,0
	UTILITY RELOCATION	L.SUM	0	\$0	
	RAILROAD SHOOFLY	EACH	0		
	TOTAL ITEM 900				\$3,230,0
	SUBTOTAL A				\$23,420,2
	MISCELLANEOUS WORK			20%	\$4,684,0
	SUBTOTAL B				\$28,104,3
	DUST PALLIATIVE			2%	\$562,0
	FURNISH WATER			2%	\$562,0
	MAINTENANCE AND PROTECTION OF TRAFFIC			5%	\$1,405,2
	EROSION CONTROL AND POLLUTION PREVENTI	ON		2%	\$562,0
	CONTRACTOR QUALITY CONTROL	) . ·	1 6 1	4%	\$1,124,1
				470	
	TOTAL C				\$4,215,6
	SUBTOTAL C			00.4	\$32,319,9
	MOBILIZATION			8%	
	SUBTOTAL D				\$34,905,5
	INCENTIVES	ao	00.500		0-0
	MATERIAL QUALITY (PCCP)	SQ. YD.	90,200	\$1.50	\$135,3
	MATERIAL QUALITY (AC)	Tons	19,700	\$1.50	\$29,5
	SMOOTHNESS	LN.MILE	12.24	\$11,000	\$134,6
	TOTAL INCENTIVES				\$299,4
	SUBTOTALE				\$36,032,9
	CONSTRUCTION ENGINEERING			9%	\$3,242,9
	CONSTRUCTION CONTINGENCY			5%	\$1,801,6
	TOTAL ESTIMATED CONSTRUCTION COST				\$37,834,6
	DESIGN ENGINEERING (8%)			8%	\$3,026,7
		4 000 0		The second second	
	ROW	ACRE	22.5	\$315,400	\$7,096,5

#### Table 14-4 D

#### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. 'ORK DESCRIPTION: 6-lane freeway

SECTION Segment3 - Indian School Road

LENGTH 1.01 Mile PROJECT STATUS: DCR May 2008

T same		100 100	7	UNIT	TOTAL
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	COST	COST
200	EARTH WORK ROADWAY EXCAVATION	CU. YD.	3,600	\$3.87	\$13,932
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	667	\$7.00	\$4,669
	DRAINAGE EXCAVATION - ONSITE  DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	47,490	\$9.50	\$4,00
	DRAINAGE EXCAVATION - OFFSITE CHANNEL DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	\$431,13.
	BORROW	CU. YD.	663,864	\$7.00	\$4,647,048
	TOTAL ITEM 200	сс. тв.	005,004	Ψ7.00	\$5,116,804
300 & 400	BASE AND SURFACE TREATMENT				<b>\$</b> 0,110,00
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	96,120	\$50.35	\$4,839,642
	ASPHALT PAVEMENT	SQ. YD.	9,590	\$21.79	\$208,966
	TOTAL ITEM 300 & 400			2000	\$5,048,608
500	DRAINAGE	2000		11-76-7-15	
	ON-SITE	MILE	1.01	\$2,640,264	\$2,666,667
	OFF-SITE	MILE	1	\$3,184,818	\$3,184,818
	PUMP STATION	EACH	0		\$0
	TOTAL ITEM 500				\$5,851,485
600	STRUCTURES				
	BRIDGE	SQ.FT.	27,080	\$109	\$2,938,451
	ADMP STRUCTURE	SQ.FT.	6,144	\$55	\$337,920
	TOTAL ITEM 600				\$3,276,371
700	TRAFFIC ENGINEERING				
	SIGNING & STRIPING	MILE	1.01	\$981,699	\$991,516
	LIGHTING	MILE	1.01	\$973,595	\$983,331
	SIGNAL	EACH	2	\$317,000	\$634,000
	ITS	MILE	1.01	\$232,961	\$235,291
	TOTAL ITEM 700				\$2,844,138
800	LANDSCAPING				
	LANDSCAPING/EROSION CONTROL	MILE	1.01	\$1,105,281	\$1,116,334
	TOTAL ITEM 800				\$1,116,334
900	INCIDENTALS	TACIT		0.004.000	6.6
	WELL RELOCATION	EACH	0	\$684,000	\$1.206.000
	WALLS (SOUND)	SQ.FT.	43,200	\$30	\$1,296,000
	WALLS (RETAINING)	SQ.FT.	940	\$65	\$61,100
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.)	MILE	1.01	\$1,165,748	\$1,177,405
	UTILITY RELOCATION	L.SUM	0	\$0	\$( \$(
	RAILROAD SHOOFLY TOTAL ITEM 900	EACH	U		
	SUBTOTAL A				\$2,535,000
	MISCELLANEOUS WORK			20%	\$25,788,740
	SUBTOTAL B			20%	\$5,157,748 \$30,946,488
	DUST PALLIATIVE			2%	\$618,930
	FURNISH WATER			2%	\$618,930
	MAINTENANCE AND PROTECTION OF TRAFFIC		l	5%	\$1,547,324
	EROSION CONTROL AND POLLUTION PREVENT	ION	1	2%	\$618,930
	CONTRACTOR QUALITY CONTROL	I		4%	\$1,237,860
	TOTAL			470	\$4,641,974
	SUBTOTAL C		-		\$35,588,462
	MOBILIZATION			8%	\$2,847,07
	SUBTOTAL D			070	\$38,435,539
	INCENTIVES				900,400,000
	MATERIAL QUALITY (PCCP)	SQ. YD.	96,120	\$1.50	\$144,180
	MATERIAL QUALITY (AC)	Tons	6,400	\$1.50	\$9,600
	SMOOTHNESS	LN.MILE	12.12	\$11,000	\$133,32
	TOTAL INCENTIVES			Ψ11,000	\$287,10
	SUBTOTAL E	•			\$39,551,87
	CONSTRUCTION ENGINEERING			9%	\$3,559,669
	CONSTRUCTION CONTINGENCY			5%	\$1,977,594
	TOTAL ESTIMATED CONSTRUCTION COST			570	\$41,529,46
	DESIGN ENGINEERING (8%)			8%	\$3,322,35
	ROW	ACRE	7.8	\$315,400	\$2,460,120
	TOTAL COST			<b>\$515,700</b>	\$47,311,944

### Draft Design Concept Report SR 303L, I-10 to US 60 Maricopa County Department of Transportation Arizona Department of Transportation P:\MCDOT\23443107\DCR SEPT 2008\DRAFT DESIGN CONCEPT REPORT 11X17 09-2008.DOC

Table 14-4 E

#### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 4 - Camelback Road LENGTH 1.00 Mile Level 1

ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
200	EARTH WORK	UNII	QUANTITI	COSI	COST
200	ROADWAY EXCAVATION	CU. YD.	10,200	\$3.87	\$39,47
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	667	\$7.00	\$4,66
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	44,773	\$9.50	\$425,34
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	1,981,906	\$6.00	\$11,891,43
	BORROW	CU. YD.	0	\$7.00	\$
	TOTAL ITEM 200				\$12,360,92
300 & 400	BASE AND SURFACE TREATMENT	127.4			
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	86,490	\$50.35	\$4,354,77
	ASPHALT PAVEMENT	SQ. YD.	9,540	\$21.79	\$207,87
	TOTAL ITEM 300 & 400				\$4,562,64
500	DRAINAGE	) (T. T.	4.00		0.5 (1.0 ) (
	ON-SITE	MILE	1.00	\$2,640,464	\$2,640,46
	OFF-SITE	MILE	1.00	\$3,184,818	\$3,184,81
	PUMP STATION TOTAL ITEM 500	EACH	0	10000	\$1.025.20
600	STRUCTURES				\$5,825,28
000	BRIDGE	SQ.FT.	48,400	\$109	\$5,251,884
	ADMP STRUCTURE	SQ.FT.	8,900	\$55	\$489,500
	TOTAL ITEM 600	~~.II.	0,200	\$55	\$5,741,384
700	TRAFFIC ENGINEERING				ψ5,711,50
5.9977	SIGNING & STRIPING	MILE	1.00	\$981,699	\$981,699
	LIGHTING	MILE	1.00	\$973,595	\$973,59
	SIGNAL	EACH	2	\$317,000	\$634,000
	ITS	MILE	1.00	\$232,961	\$232,96
	TOTAL ITEM 700			1000	\$2,822,25
800	LANDSCAPING			1.7.7.2.9.7	
	LANDSCAPING/EROSION CONTROL	MILE	1.00	\$1,105,281	\$1,105,28
	TOTAL ITEM 800				\$1,105,28
900	INCIDENTALS WELL RELOCATION	PACIT	,	0.04.000	0.01.00
	WELL RELOCATION	EACH	1	\$684,000	\$684,000
	WALLS (SOUND)	SQ.FT.	0	\$25	\$61.100
	WALLS (RETAINING) MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.	SQ.FT. MILE	940 1.00	\$65 \$1,165,748	\$61,100 \$1,165,743
	UTILITY RELOCATION	L.SUM	1.00	\$1,165,748	\$1,165,748
	RAILROAD SHOOFLY	EACH	0	\$500,000	\$900,000
	TOTAL ITEM 900	LACH	"		\$2,811,000
	SUBTOTAL A				\$35,228,77
	MISCELLANEOUS WORK			10%	\$3,522,87
	SUBTOTAL B				\$38,751,65
	DUST PALLIATIVE		/-	2%	\$775,03
	FURNISH WATER			2%	\$775,033
	MAINTENANCE AND PROTECTION OF TRAFFIC			5%	\$1,937,58
	EROSION CONTROL AND POLLUTION PREVEN	TION		2%	\$775,03
	CONTRACTOR QUALITY CONTROL			4%	\$1,550,06
	TOTAL				\$5,812,74
	SUBTOTAL C		, ,	00/1	\$44,564,39
	MOBILIZATION SURTOTAL D			8%	\$3,565,15
	SUBTOTAL D INCENTIVES		1 1	- T	\$48,129,55
	MATERIAL QUALITY (PCCP)	SO. YD.	86,490	\$1.50	\$129,73.
	MATERIAL QUALITY (AC)	Tons	6,400	\$1.50	\$9,60
	SMOOTHNESS	LN.MILE	12	\$11,000	\$132,00
	TOTAL INCENTIVES	ALTERNATION OF THE PERSON OF T		\$11,000	\$271,33
	SUBTOTALE			\$49,234,83	
	CONSTRUCTION ENGINEERING			9%	\$4,431,13
	CONSTRUCTION CONTINGENCY			5%	\$2,461,74
	TOTAL ESTIMATED CONSTRUCTION COST				\$51,696,57
	DESIGN ENGINEERING (8%)			8%	\$4,135,72
	ROW	ACRE	282	\$220,900	\$62,293,80
	TOTAL COST				\$118,126,09

Table 14-4 F

#### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L **NORK DESCRIPTION:** 6-lane freeway

SECTION Segment 5 - Bethany Home Road LENGTH 1.01 Mile Level 1

PROJECT STATUS: DCR May 2008

	the second of the second			UNIT	TOTAL
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	COST	COST
200	EARTH WORK				
	ROADWAY EXCAVATION	CU. YD.	5,900	\$3.87	\$22,833
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	667	\$7.00	\$4,669
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	48,790	\$9.50	\$463,505
	DRAINAGE EXCAVATION - OFFSITE BASIN BORROW	CU. YD. CU. YD.	0 635,528	\$6.00 \$7.00	\$0 \$4,448,696
	TOTAL ITEM 200	CO. 1D.	033,326	\$7.00	\$4,939,703
200 0 400	BASE AND SURFACE TREATMENT				
300 & 400	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	89,650	\$50.35	\$4,513,878
	ASPHALT PAVEMENT	SQ. YD.	9,590	\$21.79	\$208,966
	TOTAL ITEM 300 & 400	ъQ. тъ.	7,570	Ψ21.79	\$4,722,844
500	DRAINAGE				
	ON-SITE	MILE	1.01	\$2,640,264	\$2,666,667
	OFF-SITE	MILE	1.01	\$3,184,818	\$3,216,666
	PUMP STATION TOTAL ITEM 500	EACH	0		\$0 \$5,883,333
500	STRUCTURES				ψ5,005,555
	BRIDGE	SQ.FT.	27,080	\$109	\$2,938,451
	ADMP STRUCTURE	SQ.FT.	11,000	\$55	\$605,000
700	TOTAL ITEM 600 TRAFFIC ENGINEERING				\$3,543,451
700	SIGNING & STRIPING	MILE	1.01	\$981,699	\$991,516
	LIGHTING	MILE	1.01	\$973,595	\$983,331
	SIGNAL	EACH	2	\$317,000	\$634,000
	ITS	MILE	1.01	\$232,961	\$235,291
	TOTAL ITEM 700			,,	\$2,844,138
800	LANDSCAPING				*****
	LANDSCAPING/EROSION CONTROL TOTAL ITEM 800	MILE	1.01	\$1,105,281	\$1,116,334 \$1,116,334
900	INCIDENTALS				
	WELL RELOCATION	EACH	2	\$684,000	\$1,368,000
	WALLS (SOUND)	SQ.FT.	0	\$25	\$0
	WALLS (RETAINING)	SQ.FT.	940	\$65	\$61,100
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.)	MILE	1.01	\$1,165,748	\$1,177,405
	UTILITY RELOCATION	L.SUM	1	\$25,000	\$25,000
	RAILROAD SHOOFLY TOTAL ITEM 900	EACH	0		\$0 \$2,632,000
	SUBTOTAL A				\$25,681,803
	MISCELLANEOUS WORK			20%	\$5,136,361
	SUBTOTAL B				\$30,818,164
	DUST PALLIATIVE			2%	\$616,363
	FURNISH WATER			2%	\$616,363
	MAINTENANCE AND PROTECTION OF TRAFFIC EROSION CONTROL AND POLLUTION PREVENT	TON		5%	\$1,540,908
		ION	4.1	2% 4%	\$616,363 \$1,232,727
				470	\$4,622,724
	CONTRACTOR QUALITY CONTROL  TOTAL				
	TOTAL SUBTOTAL C				\$35,440,888
	TOTAL SUBTOTAL C MOBILIZATION			8%	\$2,835,271
	TOTAL SUBTOTAL C MOBILIZATION SUBTOTAL D			8%	\$2,835,271
	TOTAL SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES	SO VD	20 650		\$2,835,271 \$38,276,159
	TOTAL SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP)	SQ. YD.	89,650 6400	\$1.50	\$2,835,271 \$38,276,159 \$134,475
	TOTAL SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES	Tons	6,400	\$1.50 \$1.50	\$2,835,271 \$38,276,159 \$134,475 \$9,600
	TOTAL SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC)		1000 1000 1000 1000	\$1.50	\$2,835,271 \$38,276,159 \$134,475 \$9,600 \$133,320
	TOTAL SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC) SMOOTHNESS	Tons	6,400	\$1.50 \$1.50	\$2,835,271 \$38,276,159 \$134,475 \$9,600 \$133,320 \$277,395
	TOTAL SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC) SMOOTHNESS TOTAL INCENTIVES	Tons	6,400	\$1.50 \$1.50	\$2,835,271 \$38,276,159 \$134,475 \$9,600 \$133,320 \$277,395 \$39,392,493
	TOTAL  SUBTOTAL C  MOBILIZATION  SUBTOTAL D  INCENTIVES  MATERIAL QUALITY (PCCP)  MATERIAL QUALITY (AC)  SMOOTHNESS  TOTAL INCENTIVES  SUBTOTAL E  CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY	Tons	6,400	\$1.50 \$1.50 \$11,000	\$35,440,888 \$2,835,271 \$38,276,159 \$134,475 \$9,600 \$133,320 \$277,395 \$39,392,493 \$3,545,324 \$1,969,625
	TOTAL  SUBTOTAL C  MOBILIZATION  SUBTOTAL D  INCENTIVES  MATERIAL QUALITY (PCCP)  MATERIAL QUALITY (AC)  SMOOTHNESS  TOTAL INCENTIVES  SUBTOTAL E  CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY  TOTAL ESTIMATED CONSTRUCTION COST	Tons	6,400	\$1.50 \$1.50 \$11,000	\$2,835,271 \$38,276,159 \$134,475 \$9,600 \$133,320 \$277,395 \$39,392,493 \$3,545,324 \$1,969,625 \$41,362,118
	TOTAL  SUBTOTAL C  MOBILIZATION  SUBTOTAL D  INCENTIVES  MATERIAL QUALITY (PCCP)  MATERIAL QUALITY (AC)  SMOOTHNESS  TOTAL INCENTIVES  SUBTOTAL E  CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY	Tons	6,400	\$1.50 \$1.50 \$11,000	\$2,835,271 \$38,276,159 \$134,475 \$9,600 \$133,320 \$277,395 \$39,392,493 \$3,545,324 \$1,969,625

### Draft Design Concept Report SR 303L, I-10 to US 60 Maricopa County Department of Transportation Arizona Department of Transportation P:\MCDOT\23443107\DCR SEPT 2008\DRAFT DESIGN CONCEPT REPORT 11X17 09-2008.DOC

Table 14-4 G

#### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 6 - Glendale Avenue

LENGTH 1.00 Mile PROJECT STATUS: DCR May 2008 Level 1

		Washing and the same of the sa		UNIT	TOTAL
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	COST	COST
200	EARTH WORK				
	ROADWAY EXCAVATION	CU. YD.	8,700	\$3.87	\$33,66
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	667	\$7.00	\$4,66
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	45,335	\$9.50	\$430,68
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	5
	BORROW TOTAL ITEM 200	CU. YD.	607,479	\$7.00	\$4,252,35
	TOTAL HEM 200				\$4,721,37
300 & 400	BASE AND SURFACE TREATMENT				
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	88,960	\$50.35	\$4,479,13
	ASPHALT PAVEMENT	SQ. YD.	9,500	\$21.79	\$207,00
500	TOTAL ITEM 300 & 400				\$4,686,14
200	DRAINAGE ON-SITE	MILE	1.00	\$2,640,264	\$2,640,26
	OFF-SITE	MILE	1.00	\$3,184,818	\$3,184,83
	PUMP STATION	EACH	0	ψ5,104,010	ψ5,104,0
	TOTAL ITEM 500	Liteii			\$5,825,08
600	STRUCTURES				40,020,00
	BRIDGE	SQ.FT.	27,080	\$109	\$2,938,45
	ADMP STRUCTURE	SQ.FT.	9,455	\$55	\$520,0
	TOTAL ITEM 600				\$3,458,4
700	TRAFFIC ENGINEERING		. 50	5,701.0 (69.5)	
	SIGNING & STRIPING	MILE	1.00	\$981,699	\$981,69
	LIGHTING	MILE	1.00	\$973,595	\$973,59
	SIGNAL	EACH	2	\$317,000	\$634,00
	ITS	MILE	1.00	\$232,961	\$232,9
000	TOTAL ITEM 700				\$2,822,2
800	LANDSCAPING LANDSCAPING/EROSION CONTROL	MILE	1.00	£1 105 201	£1 105 25
	TOTAL ITEM 800	MILE	1.00	\$1,105,281	\$1,105,28 \$1,105,28
900	INCIDENTALS				Ψ1,100,20
	WELL RELOCATION	EACH	1	\$684,000	\$684,00
	WALLS (SOUND)	SQ.FT.	0	\$25	
	WALLS (RETAINING)	SQ.FT.	940	\$65	\$61,10
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.	MILE	1.00	\$1,165,748	\$1,165,74
	UTILITY RELOCATION	L.SUM	0	\$0	
	RAILROAD SHOOFLY	EACH	0		
<u> </u>	TOTAL ITEM 900				\$1,911,0
	SUBTOTAL A				\$24,529,6
	MISCELLANEOUS WORK			20%	\$4,905,9
	SUBTOTAL B DUST PALLIATIVE			2%	\$29,435,53 \$588,7
	FURNISH WATER			2%	\$588,7
	MAINTENANCE AND PROTECTION OF TRAFFIC	i		5%	\$1,471,7
	EROSION CONTROL AND POLLUTION PREVENT			2%	\$588,7
	CONTRACTOR QUALITY CONTROL	11014		4%	\$1,177,4
	TOTAL			470	\$4,415,3
	SUBTOTAL C				\$33,850,8
	MOBILIZATION			8%	\$2,708,0
	SUBTOTAL D				\$36,558,93
	INCENTIVES		7		
	MATERIAL QUALITY (PCCP)	SQ. YD.	88,960	\$1.50	\$133,4
	MATERIAL QUALITY (AC)	Tons	6,400	\$1.50	\$9,6
	SMOOTHNESS	LN.MILE	12	\$11,000	\$132,0
	TOTAL INCENTIVES				\$275,0
	SUBTOTALE				\$37,664,2
	CONSTRUCTION ENGINEERING			9%	\$3,389,7
	CONSTRUCTION CONTINGENCY			5%	\$1,883,2
					\$39,547,43
	TOTAL ESTIMATED CONSTRUCTION COST				00
	DESIGN ENGINEERING (8%) ROW	ACRE	11	8% \$315,400	\$3,163,79 \$3,469,40

September 2008 Contract 2001-36, WO #69016

#### Table 14-4 H

# ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 7 - Northern Avenue

LENGTH 1.00 Mile Level 1 PROJECT STATUS: DCR May 2008

				UNIT	TOTAL
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	COST	COST
200	EARTH WORK				
	ROADWAY EXCAVATION	CU. YD.	3,400	\$3.87	\$13,158
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	667	\$7.00	\$4,669
	DRAINAGE EXCAVATION - OFFSITE CHANNE	CU. YD.	73,638	\$9.50	\$699,561
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	776,553	\$6.00	\$4,659,318
	BORROW TOTAL ITEM 200	CU. YD.	383,500	\$7.00	\$2,684,500
	TOTAL TIEM 200				\$8,061,206
300 & 400	BASE AND SURFACE TREATMENT				
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	75,120	\$50.35	\$3,782,292
	ASPHALT PAVEMENT	SQ. YD.	25,890	\$21.79	\$564,143
500	TOTAL ITEM 300 & 400 DRAINAGE				\$4,346,435
300	ON-SITE	MILE	1.00	\$2,640,264	\$2,640,264
	OFF-SITE	MILE	1.00	\$3,184,818	\$3,184,818
	PUMP STATION	EACH	0	\$5,10.,010	\$0
	TOTAL ITEM 500	100000000			\$5,825,082
600	STRUCTURES	- Bys 12.5	o.c.di		10 May 10
	BRIDGE	SQ.FT.	27,420	\$109	\$2,975,344
	ADMP STRUCTURE	SQ.FT.	12,800	\$55	\$704,000
700	TOTAL ITEM 600 TRAFFIC ENGINEERING			/ *	\$3,679,344
/00	SIGNING & STRIPING	MILE	1.00	\$981,699	\$981,699
	LIGHTING	MILE	1.00	\$973,595	\$973,595
	SIGNAL	EACH	2	\$317,000	\$634,000
	ITS	MILE	1.00	\$232,961	\$232,961
	TOTAL ITEM 700				\$2,822,255
800	LANDSCAPING	No. of the last	19.25		
	LANDSCAPING/EROSION CONTROL	MILE	1.00	\$1,105,281	\$1,105,281
222	TOTAL ITEM 800				\$1,105,281
900	INCIDENTALS WELL BELOCATION	EACH		0.004.000	Ø 694 000
	WELL RELOCATION WALLS (SOUND)	EACH SQ.FT.	1 0	\$684,000 \$25	\$684,000 \$0
	WALLS (SOUND) WALLS (RETAINING)	SQ.FT.	1,200	\$65	\$78,000
	MAJOR ITEMS OF WORK (Conc. barrier, C&G et	MILE	1.00	\$1,165,748	\$1,165,748
	UTILITY RELOCATION	L.SUM	0	\$0	\$0
	RAILROAD SHOOFLY	EACH	0		\$0
57	TOTAL ITEM 900	The second			\$1,928,000
	SUBTOTAL A				\$27,767,603
	MISCELLANEOUS WORK SUBTOTAL B			20%	\$5,553,521
	DUST PALLIATIVE			2%	\$33,321,124 \$666,422
1 0 -	FURNISH WATER		900	2%	\$666,422
	MAINTENANCE AND PROTECTION OF TRAFF.	IC		5%	\$1,666,056
	EROSION CONTROL AND POLLUTION PREVE	NTION		2%	\$666,422
	CONTRACTOR QUALITY CONTROL			4%	\$1,332,845
	TOTAL	_ = 1			\$4,998,167
	SUBTOTAL C				\$38,319,291
	MOBILIZATION			8%	\$3,065,543
	SUBTOTAL D			_	\$41,384,834
100 m	INCENTIVES MATERIAL QUALITY (PCCP)	SO. YD.	75,120	\$1.50	\$112,680
	MATERIAL QUALITY (AC)	Tons	17,400	\$1.50	\$26,100
	SMOOTHNESS	LN.MILE	12	\$11,000	\$132,000
	TOTAL INCENTIVES		177	,	\$270,780
	SUBTOTALE				\$42,490,115
	CONSTRUCTION ENGINEERING			9%	\$3,824,110
	CONSTRUCTION CONTINGENCY			5%	\$2,124,506
	TOTAL ESTIMATED CONSTRUCTION COST				\$44,614,621
	DESIGN ENGINEERING (8%)		0.5	8%	\$3,569,170
	ROW	ACRE	96.5	\$315,400	\$30,436,100
	TOTAL COST				\$78,619,891

# Draft Design Concept Report SR 303L, I-10 to US 60 Maricopa County Department of Transportation Arizona Department of Transportation

Table 14-4 I

# ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 7A - Northern Parkway TI LENGTH 1.00 Mile Level 1

ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTH WORK	OIIII	QUINTIII	COSI	COSI
200	ROADWAY EXCAVATION	CU. YD.	1,100	\$3.87	\$4,2:
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	88,963	\$7.00	\$622,7
			0	2000	200000000000000000000000000000000000000
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	1992	\$9.50	
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	A= 0=0 =
	BORROW	CU. YD.	1,124,797	\$7.00	\$7,873,5
	TOTAL ITEM 200				\$8,500,5
300 & 400	BASE AND SURFACE TREATMENT				
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	41,050	\$50.35	\$2,066,86
	ASPHALT PAVEMENT	SQ. YD.	0	\$21.79	, , , , , ,
	TOTAL ITEM 300 & 400	~ (		Ψ21.75	\$2,066,8
500	DRAINAGE	- 0.0			
	ON-SITE	MILE	1.00	\$1,500,000	\$1,500,0
	OFF-SITE	L.SUM	1	\$500,000	\$500,0
	PUMP STATION	EACH	0		
	TOTAL ITEM 500	A 2222			\$2,000,0
600	STRUCTURES				1000
	BRIDGE	SQ.FT.	140,495	\$109	\$15,245,1
	ADMP STRUCTURE	SQ.FT.	0	\$55	
	TOTAL ITEM 600	75000			\$15,245,1
700	TRAFFIC ENGINEERING				
	SIGNING & STRIPING	MILE	1.00	\$981,699	\$981,6
	LIGHTING	MILE	1.00	\$973,595	\$973,5
	SIGNAL	EACH	0	\$317,000	
	ITS	MILE	1.00	\$232,961	\$232,9
	TOTAL ITEM 700	2242			\$2,188,2
800	LANDSCAPING	14,000			
	LANDSCAPING/EROSION CONTROL	MILE	1.00	\$1,105,281	\$1,105,2
	TOTAL ITEM 800				\$1,105,2
900	INCIDENTALS				
	WELL RELOCATION	EACH	0	\$684,000	
	WALLS (SOUND)	SQ.FT.	0	\$25	
	WALLS (RETAINING)	SQ.FT.	14,175	\$65	\$921,3
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.	L.SUM	1	\$1,581,000	\$1,581,0
	UTILITY RELOCATION	L.SUM	0	\$0	
	RAILROAD SHOOFLY	EACH	0		
	TOTAL ITEM 900				\$2,502,0
	SUBTOTAL A				\$33,608,0
	MISCELLANEOUS WORK			20%	\$6,721,6
	SUBTOTAL B			20/	\$40,329,7
	DUST PALLIATIVE	- 1		2%	\$806,5
	FURNISH WATER			2%	\$806,5
	MAINTENANCE AND PROTECTION OF TRAFFIC			5%	\$2,016,4
	EROSION CONTROL AND POLLUTION PREVENT	TION		2%	\$806,5
	CONTRACTOR QUALITY CONTROL			4%	\$1,613,1
	TOTAL				\$6,049,4
	SUBTOTAL C				\$46,379,1
	MOBILIZATION SUBTOTAL D			8%	\$3,710,3
	INCENTIVES			1	\$50,089,5
	MATERIAL QUALITY (PCCP)	SQ. YD.	41,050	\$1.50	\$61,5
	MATERIAL QUALITY (AC)	Tons	0	\$1.50	
				\$1.30	¢122.0
	SMOOTHNESS TOTAL INCENTIVES	LN.MILE	12	\$11,000	\$132,0 \$193,5
	SUBTOTAL E				\$193,3
	CONSTRUCTION ENGINEERING			9%	\$4,607,5
	CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY			5%	\$2,559,7
	TOTAL ESTIMATED CONSTRUCTION COST				\$53,754,5
	DESIGN ENGINEERING (8%)			8%	\$4,300,3
			25.0		
	ROW	ACRE	27.3	\$315,400	\$8,610,4

Table 14-4 J

#### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 8 - Olive Avenue
LENGTH 1.00 Mile Level Level 1

PROJECT STATUS: DCR May 2008

	The state the anti-security section (Section 1999)			UNIT	TOTAL
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	COST	COST
200	EARTH WORK				
	ROADWAY EXCAVATION	CU. YD.	8,500	\$3.87	\$32,89
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	667	\$7.00	\$4,66
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	70,047	\$9.50	\$665,44
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	\$
	BORROW TOTAL ITEM 200	CU. YD.	1,078,071	\$7.00	\$7,546,49 \$8,249,50
Santa 3.44	TOTABITEM 200				φο,243,30
300 & 400	BASE AND SURFACE TREATMENT CONCRETE PAVEMENT/AR-ACFC	go VD	74 270	Ø50.25	D2 744 E2
		SQ. YD.	74,370	\$50.35	\$3,744,53
	ASPHALT PAVEMENT TOTAL ITEM 300 & 400	SQ. YD.	24,530	\$21.79	\$534,50 \$4,279,03
500	DRAINAGE			(S)	+ -,= ,
	ON-SITE	MILE	1.00	\$2,640,264	\$2,640,26
	OFF-SITE	MILE	1.00	\$3,184,818	\$3,184,81
	PUMP STATION	EACH	0		\$
	TOTAL ITEM 500			,	\$5,825,08
600	STRUCTURES BRIDGE	SO ET	41.060	\$109	Q4 455 42
	ADMP STRUCTURE	SQ.FT.	41,060 16,900	\$55	\$4,455,42 \$929,50
	TOTAL ITEM 600	SQ.FT.	10,900	\$33	\$5,384,92
700	TRAFFIC ENGINEERING	acata.	1 1/2 24 2		7
	SIGNING & STRIPING	MILE	1.00	\$981,699	\$981,69
	LIGHTING	MILE	1.00	\$973,595	\$973,59
	SIGNAL (1 added for each railroad crossing)	EACH	4	\$317,000	\$1,268,00
	ITS	MILE	1.00	\$232,961	\$232,96
	TOTAL ITEM 700			200	\$3,456,25
800	LANDSCAPING LANDSCAPING/EROSION CONTROL	MILE	1.00	\$1,105,281	\$1,105,28
	TOTAL ITEM 800	MILE	1.00	\$1,105,281	\$1,105,28
900	INCIDENTALS		1 25		
	WELL RELOCATION	EACH	2	\$684,000	\$1,368,00
	WALLS (SOUND)	SQ.FT.	0	\$25	\$
	WALLS (RETAINING)	SQ.FT.	1,200	\$65	\$78,00
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.)	MILE	1.00	\$1,165,748	\$1,165,74
	UTILITY RELOCATION	L.SUM	0	\$0	\$
	RAILROAD SHOOFLY	EACH	0		\$
	TOTAL ITEM 900 SUBTOTAL A				\$2,612,00 \$30,912,08
	MISCELLANEOUS WORK			20%	\$6,182,41
	SUBTOTAL B				\$37,094,50
	DUST PALLIATIVE			2%	\$741,89
	FURNISH WATER			2%	\$741,89
	MAINTENANCE AND PROTECTION OF TRAFFIC			5%	\$1,854,72
	EROSION CONTROL AND POLLUTION PREVENTI	ON		2%	\$741,89
	CONTRACTOR QUALITY CONTROL			4%	\$1,483,78
	TOTAL SUBTOTAL C				\$5,564,17 \$42,658,67
	MOBILIZATION			8%	\$3,412,69
	SUBTOTAL D				\$46,071,37
	INCENTIVES				200.2
	MATERIAL QUALITY (PCCP)	SQ. YD.	74,370	\$1.50	\$111,55
	MATERIAL QUALITY (AC)	Tons	16,400	\$1.50	\$24,60
	SMOOTHNESS TOTAL INCENTINES	LN.MILE	12	\$11,000	\$132,00
	TOTAL INCENTIVES SUBTOTAL E				\$268,13 \$47,176,63
	CONSTRUCTION ENGINEERING			9%	\$4,245,89
	CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY			5%	\$2,358,83
	TOTAL ESTIMATED CONSTRUCTION COST				\$49,535,48
	DESIGN ENGINEERING (8%)	73,57	15.00	8%	\$3,962,83
	ROW	ACRE	50.4	\$315,400	\$15,896,10
	TOTAL COST				\$69,394,48

### Draft Design Concept Report SR 303L, I-10 to US 60 Maricopa County Department of Transportation Arizona Department of Transportation P:\MCDOT\23443107\DCR SEPT 2008\DRAFT DESIGN CONCEPT REPORT 11X17 09-2008.DOC

**Table 14-4 K** 

#### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 9 - Peoria Avenue LENGTH 1.00 Mile Level 1

TTTEN	MA IOD ITEM DESCRIPTION	UNIT	OUANTITY	UNIT	TOTAL
1TEM 200	MAJOR ITEM DESCRIPTION  EARTH WORK	UNIT	QUANTITY	COST	COST
200	ROADWAY EXCAVATION	CII VID	4.400	<b>62.07</b>	617.0
		CU. YD.	4,400	\$3.87	\$17,0
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	667	\$7.00	\$4,6
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	46,222	\$9.50	\$439,1
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	
	BORROW	CU. YD.	702,870	\$7.00	\$4,920,0
	TOTAL ITEM 200				\$5,380,8
300 & 400	BASE AND SURFACE TREATMENT				
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	88,150	\$50.35	\$4,438,3
	ASPHALT PAVEMENT	SQ. YD.	9,500	\$21.79	\$207,0
	TOTAL ITEM 300 & 400			30,000	\$4,645,3
500	DRAINAGE				
	ON-SITE	MILE	1.00	\$1,315,221	\$1,315,2
	OFF-SITE	MILE	1.00	\$1,646,192	\$1,646,1
	PUMP STATION	EACH	0		
	TOTAL ITEM 500	W NOTE OF			\$2,961,4
600	STRUCTURES			777	
	BRIDGE	SQ.FT.	27,080	\$109	\$2,938,4
	ADMP STRUCTURE	SQ.FT.	6,144	\$55	\$337,9
	TOTAL ITEM 600				\$3,276,3
700	TRAFFIC ENGINEERING	1 4-71/			
	SIGNING & STRIPING	MILE	1.00	\$981,699	\$981,6
	LIGHTING	MILE	1.00	\$973,595	\$973,5
	SIGNAL	EACH	2	\$317,000	\$634,0
	ITS	MILE	1.00	\$232,961	\$232,9
	TOTAL ITEM 700			, , , , , , , , , , , , , , , , , , , ,	\$2,822,2
800	LANDSCAPING				
	LANDSCAPING/EROSION CONTROL	MILE	1.00	\$1,105,281	\$1,105,2
	TOTAL ITEM 800				\$1,105,2
900	INCIDENTALS				
	WELL RELOCATION	EACH	1	\$684,000	\$684,0
	WALLS (SOUND)	SQ.FT.	0	\$25	
	WALLS (RETAINING)	SQ.FT.	940	\$65	\$61,1
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc	MILE	1.00	\$1,165,748	\$1,165,7
	UTILITY RELOCATION	L.SUM	0	\$0	
	RAILROAD SHOOFLY	EACH	0		
	TOTAL ITEM 900	1.000	- 657		\$1,911,0
	SUBTOTAL A				\$22,102,5
	MISCELLANEOUS WORK			20%	\$4,420,5
	SUBTOTAL B				\$26,523,0
	DUST PALLIATIVE			2%	\$530,4
	FURNISH WATER			2%	\$530,4
	MAINTENANCE AND PROTECTION OF TRAFFIC	2		5%	\$1,326,1
	EROSION CONTROL AND POLLUTION PREVEN	TION		2%	\$530,4
	CONTRACTOR QUALITY CONTROL			4%	\$1,060,9
	TOTAL				\$3,978,4
	SUBTOTAL C				\$30,501,5
	MOBILIZATION			8%	
	SUBTOTAL D				\$32,941,6
	INCENTIVES				
	MATERIAL QUALITY (PCCP)	SQ. YD.	88,150	\$1.50	\$132,2
	MATERIAL QUALITY (AC)	Tons	6,400	\$1.50	\$9,6
	SMOOTHNESS	LN.MILE	12	\$11,000	\$132,0
	TOTAL INCENTIVES				\$273,8
	SUBTOTALE				\$34,046,9
	CONSTRUCTION ENGINEERING			9%	\$3,064,2
	CONSTRUCTION CONTINGENCY			5%	\$1,702,3
	TOTAL ESTIMATED CONSTRUCTION COST		1	60.1	\$35,749,3
				8%	\$2,859,9
	DESIGN ENGINEERING (8%) ROW	ACRE	22.6	\$126,800	\$2,865,6

#### Table 14-4 L

#### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway SECTION Segment 10 - Cactus Road

LENGTH 0.98 Mile Level 1 PROJECT STATUS: DCR May 2008

To statute		11,122,2011		UNIT	TOTAL
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	COST	COST
200	EARTH WORK ROADWAY EXCAVATION	CU. YD.	9,400	\$5.53	\$51,98
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	667	\$6.00	\$4,00
	DRAINAGE EXCAVATION - ONSITE  DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	56,572	\$4.50	\$254,57
				34.7.323	
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	1,519,682	\$6.00	\$9,118,09
	BORROW TOTAL ITEM 200	CU. YD.	0	\$10.00	\$0.429.65
300 & 400	TOTAL ITEM 200 BASE AND SURFACE TREATMENT			<del> </del>	\$9,428,65
300 CC 400	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	86,460	\$56.08	\$4,848,67
	ASPHALT PAVEMENT	SQ. 1D. SO. YD.	and the second second		\$275,03
		SQ. 1D.	9,320	\$29.51	
500	TOTAL ITEM 300 & 400				\$5,123,71
500	DRAINAGE	MILE	0.00	61 215 221	#1 100 O1
	ON-SITE	MILE	0.98	\$1,315,221	\$1,288,91
	OFF-SITE	MILE	0.98	\$1,646,192	\$1,613,26
	PUMP STATION	EACH	0		\$
	TOTAL ITEM 500		1		\$2,902,18
500	STRUCTURES				
	BRIDGE	SQ.FT.	27,080	\$155	\$4,209,31
	ADMP STRUCTURE	SQ.FT.	6,144	\$55	\$337,92
	TOTAL ITEM 600				\$4,547,23
700	TRAFFIC ENGINEERING	I Francisco	72.4.	200	
	SIGNING & STRIPING	MILE	0.98	\$612,071	\$599,83
	LIGHTING	MILE	0.98	\$769,179	\$753,79
	SIGNAL	EACH	2	\$166,900	\$333,80
	ITS	MILE	0.98	\$385,491	\$377,78
	TOTAL ITEM 700				\$2,065,20
800	LANDSCAPING				
	LANDSCAPING/EROSION CONTROL	MILE	0.98	\$952,263	\$933,21
	TOTAL ITEM 800				\$933,21
900	INCIDENTALS				
	WELL RELOCATION	EACH	1	\$684,000	\$684,00
	WALLS (SOUND)	SQ.FT.	0		\$
	WALLS (RETAINING)	SQ.FT.	940	\$73	\$68,37
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.)	MILE	0.98	\$955,096	\$935,99
	UTILITY RELOCATION	L.SUM	1	\$819,000	\$819,00
	RAILROAD SHOOFLY	EACH	0	\$615,000	\$615,00
		EACH	U	1	
	TOTAL ITEM 900 SUBTOTAL A				\$2,507,00
	MISCELLANEOUS WORK			200/	\$27,507,20
				20%	\$5,501,44
	SUBTOTAL B			20/1	\$33,008,64
	DUST PALLIATIVE			2%	\$660,17
	FURNISH WATER			2%	\$660,17
	MAINTENANCE AND PROTECTION OF TRAFFIC			5%	\$1,650,43
	EROSION CONTROL AND POLLUTION PREVENTI	ON		2%	\$660,17
	CONTRACTOR QUALITY CONTROL	7		4%	\$1,320,34
	TOTAL				\$4,951,29
	SUBTOTAL C				\$37,959,94
	MOBILIZATION			8%	\$3,036,79
	SUBTOTAL D				\$40,996,73
	INCENTIVES	100000000000000000000000000000000000000			
	MATERIAL QUALITY (PCCP)	SQ. YD.	86,460	\$1.50	\$129,69
	MATERIAL QUALITY (AC)	Tons	6,200	\$1.50	\$9,30
	SMOOTHNESS	LN.MILE	11.76	\$11,000	\$129,36
	TOTAL INCENTIVES		11.70	\$11,000	\$268,35
	SUBTOTAL E		•		\$41,929,95
	CONSTRUCTION ENGINEERING			9%	
				12 4 5 4	\$3,773,69
	CONSTRUCTION CONTINGENCY			5%	\$2,096,49
	TOTAL ESTIMATED CONSTRUCTION COST				\$44,026,45
	DESIGN ENGINEERING (8%)	age control	2.5	8%	\$3,522,11
	ROW	ACRE	74	\$126,800	\$9,383,20
	TOTAL COST				\$56,931,76

### Draft Design Concept Report SR 303L, I-10 to US 60 Maricopa County Department of Transportation Arizona Department of Transportation

Table 14-4 M

#### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway SECTION Segment 11 - Waddell Road LENGTH 1.02 Mile Level 1

PROJECT STATUS: DCR May 2008 Level 1

ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTH WORK				
	ROADWAY EXCAVATION	CU. YD.	2,837	\$5.53	\$15,68
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	667	\$6.00	\$4,00
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	43,124	\$4.50	\$194,05
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	\$
	BORROW	CU. YD.	782,260	\$10.00	\$7,822,60
	TOTAL ITEM 200				\$8,036,34
\$00 & 400	BASE AND SURFACE TREATMENT				
700 00 400	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	90,640	\$56.08	\$5,083,09
	ASPHALT PAVEMENT	SQ. YD.	9,680	\$29.51	\$285,65
	TOTAL ITEM 300 & 400	ъу. тъ.	5,000	Φ29.31	\$5,368,74
500	DRAINAGE				
	ON-SITE	MILE	1.02	\$1,315,221	\$1,341,52
	OFF-SITE	MILE	1.02	\$1,646,192	\$1,679,110
	PUMP STATION	EACH	0		\$1
	TOTAL ITEM 500				\$3,020,64
600	STRUCTURES	COLT	27.000	0155	£4.200.21
	BRIDGE ADMP STRUCTURE	SQ.FT.	27,080 6,144	\$155 \$55	\$4,209,31: \$337,92
	TOTAL ITEM 600	SQ.FT.	0,144	\$33	\$4,547,23
700	TRAFFIC ENGINEERING				\$4,347,23
700	SIGNING & STRIPING	MILE	1.02	\$612,071	\$624,31
	LIGHTING	MILE	1.02	\$769,179	\$784,56
	SIGNAL	EACH	2	\$166,900	\$333,80
	ITS	MILE	1.02	\$385,491	\$393,20
	TOTAL ITEM 700	WILL	1.02	\$363,491	\$2,135,87
800	LANDSCAPING		<b>†</b>		Ψ2,133,07
000	LANDSCAPING/EROSION CONTROL	MILE	1.02	\$952,263	\$971,30
	TOTAL ITEM 800	111111	1.02	<b>\$752,200</b>	\$971,30
900	INCIDENTALS			11	
	WELL RELOCATION	EACH	1	\$684,000	\$684,000
	WALLS (SOUND)	SQ.FT.	84,800	\$58	\$4,889,56
	WALLS (RETAINING)	SQ.FT.	940	\$73	\$68,376
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.)	MILE	1.02	\$955,096	\$974,19
	UTILITY RELOCATION	L.SUM	0	\$0	\$1
	RAILROAD SHOOFLY	EACH	0		\$1
	TOTAL ITEM 900				\$6,616,000
	SUBTOTAL A			1000	\$30,696,15
	MISCELLANEOUS WORK			20%	\$6,139,23
	SUBTOTAL B		_		\$36,835,38
	DUST PALLIATIVE			2%	\$736,70
	FURNISH WATER			2%	\$736,70
	MAINTENANCE AND PROTECTION OF TRAFFIC			5%	\$1,841,76
	EROSION CONTROL AND POLLUTION PREVENTION			2%	\$736,70
	CONTRACTOR QUALITY CONTROL			4%	\$1,473,41
	TOTAL				\$5,525,309
	SUBTOTAL C				\$42,360,69
	MOBILIZATION			8%	\$3,388,85
	SUBTOTAL D				\$45,749,55
	INCENTIVES	40 TT	00.510	0	640=
	MATERIAL QUALITY (PCCP)	SQ. YD.	90,640	\$1.50	\$135,960
	MATERIAL QUALITY (AC)	Tons	6,500	\$1.50	\$9,750
	SMOOTHNESS TOTAL INCENTIVES	LN.MILE	12.24	\$11,000	\$134,640
	TOTAL INCENTIVES SUBTOTAL E				\$280,350 \$46,720,86
	CONSTRUCTION ENGINEERING			00/	
	CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY			9% 5%	\$4,204,87° \$2,336,04°
	TOTAL ESTIMATED CONSTRUCTION COST			370	\$49,056,904
	DESIGN ENGINEERING (8%)			8%	\$3,924,55
	ROW	ACRE	7.3	\$126,800	\$925,64

#### Table 14-4 N

### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 12 - Greenway Road

LENGTH 1.00 Mile Level 1 PROJECT STATUS: DCR MAY 2008

	NA VOD VIII OD FROM PII ON V			UNIT	TOTAL
1TEM 200	MAJOR ITEM DESCRIPTION  EARTH WORK	UNIT	QUANTITY	COST	COST
200	ROADWAY EXCAVATION	CU. YD.	501,649	\$5.53	\$2,774,119
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	778	\$6.00	\$4,668
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	23,322	\$4.50	\$104,949
	DRAINAGE EXCAVATION - OFFSITE CHANNEL  DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	\$104,545
	BORROW	CU. YD.	0	\$10.00	\$0
	TOTAL ITEM 200	CO. 1D.	0	\$10.00	\$2,883,736
					,
300 & 400	BASE AND SURFACE TREATMENT				
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	90,990	\$56.08	\$5,102,719
	ASPHALT PAVEMENT	SQ. YD.	9,900	\$29.51	\$292,149
700	TOTAL ITEM 300 & 400				\$5,394,868
500	DRAINAGE ON-SITE	MILE	1.00	\$1,315,221	Ø1 215 221
	OFF-SITE	MILE	1.00	\$1,646,192	\$1,315,221 \$1,646,192
	PUMP STATION	EACH	0	\$1,040,192	\$1,040,192
	TOTAL ITEM 500	EACH	0		\$2,961,413
600	STRUCTURES				Φ2,701,413
	BRIDGE	SQ.FT.	34,100	\$155	\$5,300,504
	ADMP STRUCTURE	SQ.FT.	6,144	\$55	\$337,920
	TOTAL ITEM 600		.,		\$5,638,424
700	TRAFFIC ENGINEERING				***,****,***
	SIGNING & STRIPING	MILE	1.00	\$612,071	\$612,071
	LIGHTING	MILE	1.00	\$769,179	\$769,179
	SIGNAL	EACH	2	\$166,900	\$333,800
	ITS	MILE	1.00	\$385,491	\$385,491
	TOTAL ITEM 700				\$2,100,541
800	LANDSCAPING				
	LANDSCAPING/EROSION CONTROL	MILE	1.00	\$952,263	\$952,263
	TOTAL ITEM 800				\$952,263
900	INCIDENTALS	T-073.45			
	WELL RELOCATION	EACH	1	\$684,000	\$684,000
	WALLS (SOUND)	SQ.FT.	169,600	\$58	\$9,779,136
	WALLS (RETAINING)	SQ.FT.	22,820	\$73	\$1,659,927
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.	MILE	1.00	\$955,096	\$955,096
	UTILITY RELOCATION	L.SUM	1	\$300,000	\$300,000
	RAILROAD SHOOFLY	EACH	0		\$0
	TOTAL ITEM 900				\$13,378,000
	SUBTOTAL A MISCELLANEOUS WORK				\$33,309,245
	SUBTOTAL B			20%	\$6,661,849
	DUST PALLIATIVE			2%	\$39,971,094 \$799,422
	FURNISH WATER			2% 2%	\$799,422
	MAINTENANCE AND PROTECTION OF TRAFFIC			5%	\$1,998,555
	EROSION CONTROL AND POLLUTION PREVENT			2%	\$799,422
	CONTRACTOR QUALITY CONTROL	11014		4%	\$1,598,844
	TOTAL			470	\$5,995,665
	SUBTOTAL C				\$45,966,759
	MOBILIZATION			8%	\$3,677,341
	SUBTOTAL D		7		\$49,644,100
	INCENTIVES				
	MATERIAL QUALITY (PCCP)	SQ. YD.	90,990	\$1.50	\$136,485
	MATERIAL QUALITY (AC)	Tons	6,600	\$1.50	\$9,900
	SMOOTHNESS	LN.MILE	12	\$11,000	\$132,000
	TOTAL INCENTIVES				\$278,385
	SUBTOTAL E				\$50,596,363
	CONSTRUCTION ENGINEERING			9%	\$4,553,673
	CONSTRUCTION CONTINGENCY			5%	\$2,529,818
	TOTAL ESTIMATED CONSTRUCTION COST				\$53,126,181
	DESIGN ENGINEERING (8%)			8%	\$4,250,094
	ROW	ACRE	6.8	\$126,800	\$862,240
					\$58,238,515

# Draft Design Concept Report SR 303L, I-10 to US 60 Maricopa County Department of Transportation Arizona Department of Transportation

Table 14-4 O

### ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway SECTION Segment13 - Bell Road

LENGTH 1.00 Mile Level 1

				UNIT	TOTAL
ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY		COST
200	EARTH WORK	100	100		
	ROADWAY EXCAVATION	CU. YD.	1,063,914	\$5.50	\$5,851,52
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	667	\$6.50	\$4,33
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	12,139	\$6.50	\$78,90
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	\$
	BORROW	CU. YD.	0	\$5.50	\$
	TOTAL ITEM 200				\$5,934,76
300 & 400	BASE AND SURFACE TREATMENT				
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	91,470	\$55.79	\$5,103,11
	ASPHALT PAVEMENT	SQ. YD.	9,900	\$29.51	\$292,14
	TOTAL ITEM 300 & 400	~Q. 12.	3,500	<b>V2</b> 7.51	\$5,395,26
500	DRAINAGE				
	ON-SITE	MILE	1.00	\$2,673,600	\$2,673,60
	OFF-SITE	MILE	1.00	\$3,115,197	\$3,115,19
	PUMP STATION	EACH	0	\$4,871,948	\$
	TOTAL ITEM 500				\$5,788,79
600	STRUCTURES				1.6.1.9
	BRIDGE	SQ.FT.	40,700	\$156	\$6,336,58
	ADMP STRUCTURE	SQ.FT.	4,375	\$55	\$240,62
	TOTAL ITEM 600				\$6,577,20
700	TRAFFIC ENGINEERING	media./m		on Cive Tail	
	SIGNING & STRIPING	MILE	1.00	\$746,374	\$746,37
	LIGHTING	MILE	1.00	\$670,812	\$670,81
	SIGNAL	EACH	2	\$150,000	\$300,00
	ITS	MILE	1.00	\$376,764	\$376,76
	TOTAL ITEM 700				\$2,093,95
800	LANDSCAPING		F-5		
	LANDSCAPING	MILE	1.00	\$750,000	\$750,00
	TOTAL ITEM 800				\$750,00
900	INCIDENTALS				
	WELL RELOCATION	EACH	1	\$684,000	\$684,00
	WALLS (SOUND)	SQ.FT.	169,600	\$25	\$4,240,00
	WALLS (RETAINING)	SQ.FT.	47,700	\$65	\$3,100,50
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.	MILE	1.00	\$1,101,509	\$1,101,50
	UTILITY RELOCATION	L.SUM	1	\$225,000	\$225,00
	RAILROAD SHOOFLY	EACH	0		\$
	TOTAL ITEM 900				\$9,351,00
	SUBTOTAL A				\$35,890,98
	MISCELLANEOUS WORK			20%	\$7,178,19
	SUBTOTAL B				\$43,069,17
	DUST PALLIATIVE			2%	\$861,38
	FURNISH WATER			2%	\$861,38
	MAINTENANCE AND PROTECTION OF TRAFFIC	!		5%	\$2,153,45
	EROSION CONTROL AND POLLUTION PREVENT	ΠON		2%	\$861,38
	CONTRACTOR QUALITY CONTROL			4%	\$1,722,76
	TOTAL				\$6,460,37
	SUBTOTAL C				\$49,529,55
	MOBILIZATION			8%	
	SUBTOTALD				\$53,491,91
	INCENTIVES				
	MATERIAL QUALITY (PCCP)	SQ. YD.	91,470	\$1.50	\$137,20
	MATERIAL QUALITY (AC)	Tons	6,600	\$1.50	\$9,90
	SMOOTHNESS	LN.MILE	12	\$11,000	\$132,00
	TOTAL INCENTIVES			-,	\$279,10
	SUBTOTALE		•		\$54,241,91
	CONSTRUCTION ENGINEERING			9%	\$4,881,77
	CONSTRUCTION CONTINGENCY			5%	\$2,712,09
	TOTAL ESTIMATED CONSTRUCTION COST				\$56,954,01
	DESIGN ENGINEERING (8%)			8%	\$4,556,32
	ROW	ACRE	4.1	\$126,800	\$519,88
	The state of the s	The second of th		,	,00

#### Table 14-4 P

# ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 14 - Clearview Blvd LENGTH 1.01 Mile Level 1

PROJECT STATUS: DCR May 2008

ITEM	MAJOR ITEM DESCRIPTION	UNIT	OHANTEES	UNIT	TOTAL
11EM 200	MAJOR ITEM DESCRIPTION  EARTH WORK	UNII	QUANTITY	COST	COST
UU	ROADWAY EXCAVATION	CU. YD.	318,185	\$5.50	¢1 750 0
					\$1,750,0
	DRAINAGE EXCAVATION - ONSITE DRAINAGE EXCAVATION - OFFSITE CHANNEI	CU. YD.	667	\$6.50	\$4,3
		CU. YD.	0	\$6.50	
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	
	BORROW TOTAL ITEM 200	CU. YD.	0	\$5.50	01.754.2
	TOTAL TEM 200				\$1,754,3
00 & 400	BASE AND SURFACE TREATMENT				
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	51,860	\$55.78	\$2,892,7
	ASPHALT PAVEMENT	SQ. YD.	9,990	\$29.71	\$296,8
	TOTAL ITEM 300 & 400				\$3,189,5
500	DRAINAGE			A	** =**
	ON-SITE	MILE	1.01	\$2,673,600	\$2,700,3
	OFF-SITE	MILE	1.01	\$3,115,197	\$3,146,3
	PUMP STATION	EACH	0		
	TOTAL ITEM 500				\$5,846,6
500	STRUCTURES	go ET	0	0150	
	BRIDGE	SQ.FT.	0	\$156	
	ADMP STRUCTURE	SQ.FT.	0	\$55	
700	TOTAL ITEM 600 TRAFFIC ENGINEERING				
00	SIGNING & STRIPING	MILE	1.01	\$746,374	\$753,8
	LIGHTING	MILE	1.01	\$670,812	\$677,5
	SIGNAL	EACH	0		Φ0//,2
	SIGNAL ITS			\$150,000	\$200 I
	TOTAL ITEM 700	MILE	1.01	\$376,764	\$380,5
:00	LANDSCAPING				\$1,811,8
00	LANDSCAPING	MILE	1.01	\$750,000	\$757,5
	TOTAL ITEM 800	WILE	1.01	φ/30,000	\$757,5
00	INCIDENTALS				φ121,.
- 0	WELL RELOCATION	EACH	1	\$684,000	\$684,0
	WALLS (SOUND)	SQ.FT.	169,600	\$30	\$5,088,0
	WALLS (GOORD) WALLS (RETAINING)	SQ.FT.	24,800	\$65	\$1,612,0
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc	MILE	1.01	\$1,101,509	\$1,012,0
	UTILITY RELOCATION	L.SUM	1.01	\$25,000	\$1,112,3
	RAILROAD SHOOFLY	EACH	0	φΔ3,000	Φ43,0
	TOTAL ITEM 900	LACH	U		\$8,522,0
	SUBTOTAL A		1		\$8,322,0
	MISCELLANEOUS WORK			20%	\$4,376,3
	SUBTOTAL B				\$26,258,3
	DUST PALLIATIVE			2%	\$525,
	FURNISH WATER			2%	\$525,1
	MAINTENANCE AND PROTECTION OF TRAFFIC			5%	\$1,312,9
	EROSION CONTROL AND POLLUTION PREVEN	TION		2%	\$525,1
	CONTRACTOR QUALITY CONTROL			4%	\$1,050,3
	TOTAL				\$3,938,7
	SUBTOTAL C				\$30,197,1
	MOBILIZATION			8%	\$2,415,7
	SUBTOTAL D		_		\$32,612,9
	INCENTIVES  MATERIAL OHALKEY (DCCP)	go IID	£1.000	61.50	0.77
	MATERIAL QUALITY (PCCP)	SQ. YD.	51,860	\$1.50	\$77,7
	MATERIAL QUALITY (AC)	Tons	6,700	\$1.50	\$10,0
	SMOOTHNESS	LN.MILE	12.12	\$11,000	\$133,3
					\$221,1
	TOTAL INCENTIVES				\$33,370,4
	SUBTOTALE			00/1	
	SUBTOTAL E CONSTRUCTION ENGINEERING			9%	\$3,003,3
	SUBTOTAL E CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY			9% 5%	\$3,003,3 \$1,668,5
	SUBTOTAL E CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY TOTAL ESTIMATED CONSTRUCTION COST			5%	\$3,003,3 \$1,668,5 \$35,038,9
	SUBTOTAL E CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY	ACRE	0		\$3,003,3 \$1,668,5 \$35,038,9 \$2,803,1

#### Table 14-4 Q

# ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 15 - Mountainview Blvd LENGTH 0.94 Mile Level 1

1TEM 200	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
200	EARTH WORK	ONII	QUANTITI	COSI	COSI
	ROADWAY EXCAVATION	CU. YD.	68,606	\$5.50	\$377,33
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	11,963	\$6.50	\$77,76
	DRAINAGE EXCAVATION - ORSITE CHANNEL		0	\$6.00	\$77,70
	DRAINAGE EXCAVATION - OFFSITE CHANNEL DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	\$
	BORROW	CU. YD.	0		
	TOTAL ITEM 200	CU. ID.	U	\$10.00	\$ \$455,09
Š T	The Control of the Co				,
300 & 400	BASE AND SURFACE TREATMENT				
	CONCRETE PAVEMENT/AR-ACFC	SQ. YD.	48,980	\$55.78	\$2,732,10
	ASPHALT PAVEMENT	SQ. YD.	9,340	\$29.51	\$275,62
	TOTAL ITEM 300 & 400				\$3,007,72
500	DRAINAGE		10.2	100000000000000000000000000000000000000	
	ON-SITE	MILE	0.94	\$2,673,600	\$2,513,18
	OFF-SITE	MILE	0.94	\$3,115,197	\$2,928,28
	PUMP STATION	EACH	0		\$
	TOTAL ITEM 500				\$5,441,46
600	STRUCTURES				
	BRIDGE	SQ.FT.	0	\$156	\$
	ADMP STRUCTURE	SQ.FT.	0	\$55	5
	TOTAL ITEM 600				
700	TRAFFIC ENGINEERING	B-278, 1			
	SIGNING & STRIPING	MILE	0.94	\$746,374	\$701,59
	LIGHTING	MILE	0.94	\$670,812	\$630,56
	SIGNAL	EACH	0	\$175,000	
	ITS	MILE	0.94	\$376,764	\$354,13
	TOTAL ITEM 700		77977		\$1,686,3
800	LANDSCAPING				
	LANDSCAPING	MILE	0.94	\$750,000	\$705,00
	TOTAL ITEM 800				\$705,00
900	INCIDENTALS	1 T. T. T. W. (1)		District	
	WELL RELOCATION	EACH	0	\$684,000	
	WALLS (SOUND)	SQ.FT.	192,000	\$30	\$5,760,00
	WALLS (RETAINING)	SQ.FT.	0	\$65	
	MAJOR ITEMS OF WORK (Conc. barrier, C&G et	MILE	0.94	\$1,101,509	\$1,035,4
	UTILITY RELOCATION	L.SUM	0		
	RAILROAD SHOOFLY	EACH	0	l I	
	TOTAL ITEM 900				\$6,795,00
	SUBTOTAL A				\$18,090,60
	MISCELLANEOUS WORK			20%	\$3,618,12
	SUBTOTAL B				\$21,708,7
	DUST PALLIATIVE			2%	\$434,1
	FURNISH WATER			2%	\$434,1
	MAINTENANCE AND PROTECTION OF TRAFFI	С		5%	\$1,085,43
		ITION		2%	\$434,1
	EROSION CONTROL AND POLLUTION PREVEN				
	EROSION CONTROL AND POLLUTION PREVEN CONTRACTOR QUALITY CONTROL	TION		4%	\$868.3
	CONTRACTOR QUALITY CONTROL	ITON		4%	
	CONTRACTOR QUALITY CONTROL TOTAL	TION		4%	\$3,256,30
	CONTRACTOR QUALITY CONTROL TOTAL SUBTOTAL C	TION			\$868,34 \$3,256,30 \$24,965,00
	CONTRACTOR QUALITY CONTROL TOTAL SUBTOTAL C MOBILIZATION	VIION		4% 8%	\$3,256,30 \$24,965,00 \$1,997,20
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION SUBTOTAL D	ATON			\$3,256,30
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES		48,980	8%	\$3,256,30 \$24,965,0: \$1,997,20 \$26,962,2:
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP)	SQ. YD.		8% \$1.50	\$3,256,30 \$24,965,00 \$1,997,20 \$26,962,20 \$73,4
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION  SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC)	SQ. YD. Tons	6,300	\$% \$1.50 \$1.50	\$3,256,30 \$24,965,00 \$1,997,20 \$26,962,20 \$73,4 \$9,4
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION  SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC) SMOOTHNESS	SQ. YD.		8% \$1.50	\$3,256,36 \$24,965,03 \$1,997,26 \$26,962,23 \$73,44 \$9,43 \$124,06
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC) SMOOTHNESS TOTAL INCENTIVES	SQ. YD. Tons	6,300	\$% \$1.50 \$1.50	\$3,256,3\\ \$24,965,0\\ \$1,997,2\\ \$26,962,2\\ \$73,4\\ \$9,4\\ \$124,0\\ \$207,0\\
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC) SMOOTHNESS TOTAL INCENTIVES SUBTOTAL E	SQ. YD. Tons	6,300	\$1.50 \$1.50 \$1.50 \$11,000	\$3,256,3\\ \$24,965,0\\ \$1,997,2\\ \$26,962,2\\ \$73,4\\ \$9,4\\ \$124,0\\ \$207,0\\ \$27,667,2\\
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC) SMOOTHNESS TOTAL INCENTIVES SUBTOTAL E CONSTRUCTION ENGINEERING	SQ. YD. Tons	6,300	\$1.50 \$1.50 \$11,000	\$3,256,3i \$24,965,0i \$1,997,2i \$26,962,2i \$73,4i \$9,4i \$124,0i \$207,0i \$27,667,2i
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC) SMOOTHNESS TOTAL INCENTIVES  SUBTOTAL E CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY	SQ. YD. Tons	6,300	\$1.50 \$1.50 \$1.50 \$11,000	\$3,256,3\\ \$24,965,0\\ \$1,997,2\\ \$26,962,2\\ \$73,4\\ \$124,0\\ \$207,0\\ \$27,667,2\\ \$2,490,0\\ \$1,383,3\\
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC) SMOOTHNESS TOTAL INCENTIVES  SUBTOTAL E  CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY	SQ. YD. Tons	6,300	\$1.50 \$1.50 \$11,000	\$3,256,36 \$24,965,00 \$1,997,20 \$26,962,20 \$73,44 \$124,00 \$207,00 \$27,667,20 \$2,490,00 \$1,383,30 \$29,050,50
	CONTRACTOR QUALITY CONTROL TOTAL  SUBTOTAL C MOBILIZATION SUBTOTAL D INCENTIVES MATERIAL QUALITY (PCCP) MATERIAL QUALITY (AC) SMOOTHNESS TOTAL INCENTIVES  SUBTOTAL E CONSTRUCTION ENGINEERING CONSTRUCTION CONTINGENCY	SQ. YD. Tons	6,300	\$1.50 \$1.50 \$11,000	\$3,256,3\\ \$24,965,0\\ \$1,997,2\\ \$26,962,2\\ \$73,4\\ \$124,0\\ \$207,0\\ \$27,667,2\\ \$2,490,0\\ \$1,383,3\\

#### Table 14-4 R

# ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 16 - US60

LENGTH 2.82 Mile (1.53 Mile 303 + 1.29 Mile US 60) Level 1 PROJECT STATUS: DCR May 2008

BARTH WORK	ITEM	MAJOR ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
ROADWAY EXCAVATION   CU, YD.   988,066   \$5.50   \$5,434,			ONII	QUANTITI	COSI	COSI
DRAINAGE EXCAVATION - ONSITE CHANNE CU. YD. 0	200		CILVD	000 066	95.50	\$5.424.26°
DRAINAGE EXCAVATION - OFFSITE CHANNE DRAINAGE EXCAVATION - OFFSITE BASIN CU. YD. 0 \$6.00 BORROW TOTALITEM 200 CU. YD. 0 \$10.00 \$6.610.00						
DRAINAGE EXCAVATION - OFFSITE BASIN   CU. YD.   0   \$6.00					2500 0000	
BORROW				1000		\$
TOTAL ITEM 200   Sec. 50, 610;		The state of the s				\$
180		The second secon	CU. YD.	0	\$10.00	\$
CONCRETE PAVEMENTIAR-ACFC		TOTAL ITEM 200				\$6,610,86
CONCRETE PAVEMENTIAR-ACFC	300 & 400	BASE AND SURFACE TREATMENT				
ASPHALT PAVEMENT TOTAL ITEM 300 & 400  DRAINAGE ON-SITE OFF-SITE O			SO YD	208 155	\$55.78	\$11.610.88
TOTAL ITEM 300 & 400   S12,034;					1000 (1000)	
DRAINAGE			5Q. 1D.	11,550	Ψ25.51	\$12,034,35
OFF-SITE     PUMP STATION	500	DRAINAGE				
PUMP STATION		ON-SITE	MILE	2.82	\$2,673,600	\$7,539,55
TOTAL ITEM 500   S21,196;   S21,196;   S22,574;   S00   STRUCTURES   SQ.FT.   144,995   S156   S22,574;   SQ.FT.   TOTAL ITEM 600   S55   S22,574;   SQ.FT.   SQ.FT		OFF-SITE	MILE	2.82	\$3,115,197	\$8,784,85
STRUCTURES   BRIDGE (8 Structures)   SQ.FT.   144,995   S156   S22,574;     ADMP STRUCTURE   SQ.FT.   0   S55   S22,574;     TOTAL ITEM 600   SIGNING & STRPING   MILE   2.82   S746,374   S2,104;     LIGHTING   MILE   2.82   S670,812   S1,891;     SIGNING & STRPING   MILE   2.82   S670,812   S1,891;     SIGNAL   EACH   1   S175,000   S175,     ITS   TOTAL ITEM 700   MILE   2.82   S376,764   S1,062,     TOTAL ITEM 800   MILE   2.82   S750,000   S2,155,     TOTAL ITEM 800   MILE   2.82   S750,000   S2,115,     TOTAL ITEM 800   MILE   2.82   S750,000   S2,115,     TOTAL ITEM 800   MILE   2.82   S750,000   S2,115,     TOTAL ITEM 800   SQ.FT.   S684,000		PUMP STATION	EACH	1	\$4,871,948	\$4,871,94
BRIDGE (8 Structures) ADMP STRUCTURE		TOTAL ITEM 500				\$21,196,35
ADMP STRUCTURE TOTAL ITEM 600  TRAFFIC ENGINEERING SIGNING & STRIPING LIGHTING SIGNING & STRIPING SIGNAL EACH 1 \$15,000 \$175, 115,000 \$175	600	A CONTRACT OF THE PROPERTY OF		1000		
TOTAL ITEM 600   \$22,574,					0500000000	\$22,574,27
TRAFFIC ENGINEERING   SIGNING & STRIPING   MILE   2.82   \$746,374   \$2,104,			SQ.FT.	0	\$55	\$
SIGNING & STRIPING						\$22,574,27
LIGHTING   MILE   2.82   \$670,812   \$1,891,1   \$160,000   \$175,0	700			10.66		
SIGNAL   FACH   1   \$175,000   \$175,   ITS   MILE   2.82   \$376,764   \$1,062,   \$5,233,   \$300   LANDSCAPING   LANDSCAPING   LANDSCAPING   LANDSCAPING   LANDSCAPING   \$2,115,				F. S.		\$2,104,77
TTS				20200000		\$1,891,69
TOTAL ITEM 700   S.5,233;		370.100.000.000				\$175,00
LANDSCAPING   LANDSCAPING   LANDSCAPING   LANDSCAPING   TOTAL ITEM 800   \$2,115,4			MILE	2.82	\$376,764	\$1,062,47
LANDSCAPING						\$5,233,93
TOTAL ITEM 800   \$2,115,1	800					*****
NCIDENTALS   WELL RELOCATION			MILE	2.82	\$750,000	
WELL RELOCATION         EACH         1         \$684,000         \$684,4           WALLS (SOUND)         SQ.FT.         280,000         \$30         \$8,400,           WALLS (RETAINING)         SQ.FT.         150,930         \$65         \$9,810,6           MAJOR ITEMS OF WORK (Conc. barrier, C&G et         MILE         2.82         \$1,101,509         \$3,106,           UTILITY RELOCATION         L.SUM         1         \$2,200,000         \$2,200,000         \$2,200,000         \$24,201,4           RAILROAD SHOOFLY         EACH         1         \$2,200,000         \$2,201,4         \$24,201,4           SUBTOTAL A         \$93,965,         \$93,965,         \$93,965,         \$93,965,           MISCELANEGUS WORK         20%         \$18,793,         \$12,558,           SUBTOTAL B         \$112,758,           DUST PALLIATIVE         2%         \$2,255,           FURNISH WATER         2%         \$2,255,           MAINTENANCE AND PROTECTION OF TRAFFIC         5%         \$5,637,           EROSION CONTROL AND POLLUTION PREVENTION         2%         \$2,255,           CONTRACTOR QUALITY CONTROL         4%         \$4,510,           MATERIAL QUALITY (PCCP)         SQ. YD.         208,155	000					\$2,115,00
WALLS (SOUND)	900		EACH	1	\$694.000	P694 00
WALLS (RETAINING)						41.75
MAJOR ITEMS OF WORK (Conc. barrier, C&G et UTILITY RELOCATION RAILROAD SHOOFLY EACH 1         MILE L.SUM 1         2.82 \$1,101,509         \$3,106,600           RAILROAD SHOOFLY TOTAL ITEM 900         EACH 1         \$2,200,000         \$			Live Street Live		37/2/2/3	
UTILITY RELOCATION						
RAILROAD SHOOFLY   EACH   1   \$2,200,000   \$22,200,				0.000,636.00	\$1,101,509	
TOTAL ITEM 900   \$24,201,4   \$93,965,5     MISCELLANEOUS WORE   20% \$18,793,5     SUBTOTAL B   \$112,758,5     DUST PALLIATIVE   2% \$2,255,5     FURNISH WATER   2% \$2,255,5     MAINTENANCE AND PROTECTION OF TRAFFIC   5% \$5,637,5     EROSION CONTROL AND POLLUTION PREVENTION   2% \$2,255,5     CONTRACTOR QUALITY CONTROL   4% \$4,510,5     TOTAL   \$16,913,5     SUBTOTAL C   \$129,672,7     MOBILIZATION   8% \$10,373,3     SUBTOTAL D   \$14,046,6     INCENTIVES   MATERIAL QUALITY (PCCP)   SQ. YD. 208,155 \$1.50 \$112,794,5     MATERIAL QUALITY (PCCP)   SQ. YD. 208,155 \$1.50 \$14,6     SMOOTHNESS   LN.MILE   33.84 \$11,000 \$372,7     TOTAL INCENTIVES   \$698,3     SUBTOTAL E   \$142,161,6     CONSTRUCTION ENGINEERING   9% \$12,794,7     CONSTRUCTION ENGINEERING   9% \$12,794,7     CONSTRUCTION CONTINGENCY   5% \$7,108,1     TOTAL ESTIMATED CONSTRUCTION COST   \$149,269,4     DESIGN ENGINEERING   8% \$11,941,269,4     ROW   ACRE   70.6 \$126,800 \$8,952,4				200		\$
SUBTOTAL A         \$33,965,           MISCELLANEOUS WORK         20%         \$18,793,           SUBT OTAL B         \$112,758,           DUST PALLIATIVE         2%         \$2,255,           FURNISH WATER         2%         \$2,255,           MAINTENANCE AND PROTECTION OF TRAFFIC         5%         \$5,637,           EROSION CONTROL AND POLLUTION PREVENTION         2%         \$2,255,           CONTRACTOR QUALITY CONTROL         4%         \$4,510,           TOTAL         \$16,913,           SUBTOTAL C         \$129,672,           MOBILIZATION         8%         \$10,373,           SUBTOTAL D         \$140,046,           INCENTIVES         \$140,046,           MATERIAL QUALITY (PCCP)         \$Q, YD.         208,155         \$1.50         \$312,74           SMOOTHNESS         LN.MILE         33.84         \$11,000         \$372,         \$698,           SUBTOTAL E         \$142,161,6         \$698,         \$12,714,         \$698,           SUBTOTAL E         \$142,161,6         \$142,161,6         \$142,161,6         \$142,161,6         \$142,161,6         \$142,161,6         \$142,161,6         \$142,161,6         \$142,161,6         \$142,161,6         \$142,161,6         \$142,161,6         \$142,161,6 </td <td></td> <td></td> <td>EACH</td> <td>1</td> <td>\$2,200,000</td> <td>\$2,200,00</td>			EACH	1	\$2,200,000	\$2,200,00
MISCELLANEOUS WORK   20% \$18,793,   SUBTOTAL B   \$112,758,   DUST PALLIATIVE   2% \$2,255,   FURNISH WATER   2% \$2,255,   MAINTENANCE AND PROTECTION OF TRAFFIC   5% \$5,637,   EROSION CONTROL AND POLLUTION PREVENTION   2% \$2,255,   CONTRACTOR QUALITY CONTROL   4% \$4,510,   \$16,913,   \$						\$24,201,00
SUBTOTAL B   S112,758,   DUST PALLIATIVE   29%   \$2,255,   FURNISH WATER   29%   \$2,255,   MAINTENANCE AND PROTECTION OF TRAFFIC   59%   \$5,637,   EROSION CONTROL AND POLLUTION PREVENTION   29%   \$2,255,   CONTRACTOR QUALITY CONTROL   49%   \$4,510,   TOTAL   \$16,913,   SUBTOTAL C   \$129,672,   SUBTOTAL D   \$10,373,   SUBTOTAL D   \$140,046,   INCENTIVES   MATERIAL QUALITY (PCCP)   \$Q, YD.   208,155   \$1.50   \$312,   MATERIAL QUALITY (AC)   Tons   9,600   \$1.50   \$14,   SMOOTHNESS   LN.MILE   33.84   \$11,000   \$372,   TOTAL INCENTIVES   \$698,   SUBTOTAL E   \$142,161,   CONSTRUCTION ENGINEERING   99%   \$12,794,   CONSTRUCTION CONTRINGENCY   59%   \$7,108,   TOTAL ESTIMATED CONSTRUCTION COST   \$149,269,4   ROW   ACRE   70.6   \$126,800   \$8,952,4   ROW   ACRE   70.6   \$126,800		De transcriptor del tra			200/	\$93,965,78
DUST PALLIATIVE         2%         \$2,255,           FURNISH WATER         2%         \$2,255,           MAINTENANCE AND PROTECTION OF TRAFFIC         5%         \$5,637,           EROSION CONTROL AND POLLUTION PREVENTION         2%         \$2,255,           CONTRACTOR QUALITY CONTROL         4%         \$4,510,           TOTAL         \$16,913,         \$16,913,           SUBTOTAL C         \$129,672,         \$10,373,           SUBTOTAL D         \$10,373,         \$10,373,           SUBTOTAL D         \$140,046,         \$10,373,           SUBTOTAL D         \$140,046,         \$10,373,           MATERIAL QUALITY (PCCP)         \$Q. YD.         208,155         \$1.50         \$312,74,           MATERIAL QUALITY (AC)         Tons         9,600         \$1.50         \$14,           SMOOTHNESS         LN.MILE         33.84         \$11,000         \$372,           TOTAL INCENTIVES         \$698,         \$12,794,           CONSTRUCTION ENGINEERING         9%         \$12,794,           CONSTRUCTION CONTINGENCY         5%         \$7,108,           TOTAL ESTIMATED CONSTRUCTION COST         \$149,269,           DESIGN ENGINEERING (8%)         ACRE         70.6         \$126,800         \$8,952,					20%	
FURNISH WATER  MAINTENANCE AND PROTECTION OF TRAFFIC  EROSION CONTROL AND POLLUTION PREVENTION  CONTRACTOR QUALITY CONTROL  TOTAL  SUBTOTAL  MOBILIZATION  MATERIAL QUALITY (PCCP)  MATERIAL QUALITY (PCCP)  MATERIAL QUALITY (AC)  SMOOTHNESS  LN.MILE  TOTAL INCENTIVES  SUBTOTAL TOTAL TOT					20/	
MAINTENANCE AND PROTECTION OF TRAFFIC         5%         \$5,637,1           EROSION CONTROL AND POLLUTION PREVENTION         2%         \$2,255,1           CONTRACTOR QUALITY CONTROL         4%         \$4,510,1           TOTAL         \$16,913,1           SUBTOTAL C         \$129,672,1           MOBILIZATION         8%         \$10,373,1           SUBTOTAL D         \$140,046,1           INCENTIVES         MATERIAL QUALITY (PCCP)         \$Q. YD.         208,155         \$1.50         \$312,4           MATERIAL QUALITY (AC)         Tons         9,600         \$1.50         \$14,6           SMOOTHNESS         LN.MILE         33.84         \$11,000         \$372,7           TOTAL INCENTIVES         \$698,3         \$698,3           SUBTOTALE         \$142,161,6         \$698,6           CONSTRUCTION ENGINEERING         9%         \$12,794,794,794,794,794,794,794,794,794,794				1		
EROSION CONTROL AND POLLUTION PREVENTION         2%         \$2,255,           CONTRACTOR QUALITY CONTROL         4%         \$4,510,           TOTAL         \$16,913,           SUBTOTAL C         \$129,672,           MOBILIZATION         8%         \$10,373,           SUBTOTAL D         \$140,046,           INCENTIVES         WATERIAL QUALITY (PCCP)         \$Q, YD.         208,155         \$1.50         \$312,7           MATERIAL QUALITY (AC)         Tons         9,600         \$1.50         \$14,         \$698,           SMOOTHNESS         LN.MILE         33.84         \$11,000         \$372,         \$698,           SUBTOTAL E         \$142,161,         \$698,         \$12,794,         \$698,           CONSTRUCTION ENGINEERING         9%         \$12,794,         \$7,108,           CONSTRUCTION CONTINGENCY         5%         \$7,108,           TOTAL ESTIMATED CONSTRUCTION COST         \$149,269,           DESIGN ENGINEERING (8%)         ACRE         70.6         \$126,800         \$8,952,			IC	1 (		
CONTRACTOR QUALITY CONTROL         49%         \$4,510,13,101,101,101,101,101,101,101,101,10						
TOTAL   \$16,913,3   \$16,913,4   \$129,672,   MOBILIZATION   \$129,672,   MOBILIZATION   \$8% \$10,373,3   \$10,373,5   \$140,046,6   \$10,200,00   \$1,00   \$140,046,6   \$10,200,00   \$1,50   \$140,046,6   \$10,200,00   \$1,50   \$140,046,6   \$10,200,00   \$1,50   \$140,046,6   \$10,200,00   \$1,50   \$140,046,6   \$10,200,00   \$1,50   \$140,046,6   \$10,200,00   \$1,50   \$140,046,6   \$10,200,00   \$1,50   \$140,046,6   \$10,200,00   \$1,50   \$140,046,6   \$12,794,6   \$140,046,6   \$12,794,6   \$140,046,6   \$12,794,6   \$			NIION			
SUBTOTAL C         \$129,672,1           MOBILIZATION         8%         \$10,373,3           SUBTOTAL D         \$140,046,4           INCENTIVES         \$140,046,4           MATERIAL QUALITY (PCCP)         \$Q. YD.         208,155         \$1.50         \$312,7           MATERIAL QUALITY (AC)         Tons         9,600         \$1.50         \$14,6           SMOOTHNESS         LN.MILE         33.84         \$11,000         \$372,7           TOTAL INCENTIVES         \$12,716,         \$698, \$12,714,           CONSTRUCTION ENGINEERING         9%         \$12,794,           CONSTRUCTION CONTINGENCY         5%         \$7,108,           TOTAL ESTIMATED CONSTRUCTION COST         \$149,269,           DESIGN ENGINEERING (8%)         ACRE         70.6         \$126,800         \$8,952,					4%	
MOBILIZATION         8%         \$10,373;           SUBTOTAL D         \$140,046,           INCENTIVES         \$140,046,           MATERIAL QUALITY (PCCP)         \$Q. YD.         208,155         \$1.50         \$312,           MATERIAL QUALITY (AC)         Tons         9,600         \$1.50         \$14,           SMOOTHNESS         LN.MILE         33.84         \$11,000         \$372,           TOTAL INCENTIVES         \$698,         \$698,         \$698,           SUBTOTAL E         \$142,161,         \$142,161,           CONSTRUCTION ENGINEERING         9%         \$12,794,           CONSTRUCTION CONTINGENCY         5%         \$7,108,           TOTAL ESTIMATED CONSTRUCTION COST         \$149,269,           DESIGN ENGINEERING (8%)         ACRE         70.6         \$126,800         \$8,952,						
SUBTOTALD         \$140,046,6           INCENTIVES         AMATERIAL QUALITY (PCCP)         SQ. YD.         208,155         \$1.50         \$312,7           MATERIAL QUALITY (AC)         Tons         9,600         \$1.50         \$14,           SMOOTHNESS         LN.MILE         33.84         \$11,000         \$372,           TOTAL INCENTIVES         \$698,         \$698,         \$698,         \$698,           SUBTOTAL E         \$142,161,         \$142,161,         \$142,161,           CONSTRUCTION ENGINEERING         9%         \$12,794,         \$5%         \$7,108,           TOTAL ESTIMATED CONSTRUCTION COST         \$149,269,4         \$149,269,4         \$149,269,4           DESIGN ENGINEERING (8%)         ACRE         70.6         \$126,800         \$8,952,4					00/	
INCENTIVES   SQ. YD.   208,155   \$1.50   \$312,55   \$1.50   \$					8%	
MATERIAL QUALITY (PCCP)         SQ. YD.         208,155         \$1.50         \$312,155           MATERIAL QUALITY (AC)         Tons         9,600         \$1.50         \$14,6           SMOOTHNESS         LN.MILE         33.84         \$11,000         \$372,7           TOTAL INCENTIVES         \$698,1           SUBTOTALE         \$14,161,1           CONSTRUCTION ENGINEERING         9%         \$12,794,1           CONSTRUCTION CONTINGENCY         5%         \$7,108,1           TOTAL ESTIMATED CONSTRUCTION COST         \$149,269,4           DESIGN ENGINEERING (8%)         ACRE         70.6         \$126,800         \$8,952,4						\$140,040,00
MATERIAL QUALITY (AC)         Tons         9,600         \$1.50         \$14,6           SMOOTHNESS         LN.MILE         33.84         \$11,000         \$372,7           TOTAL INCENTIVES         \$698,3           SUBTOTALE         \$12,101,0           CONSTRUCTION ENGINEERING         9%         \$12,794,7           CONSTRUCTION CONTINGENCY         5%         \$7,108,7           TOTAL ESTIMATED CONSTRUCTION COST         \$14,000,0         \$14,000,0           DESIGN ENGINEERING (8%)         ACRE         70.6         \$126,800         \$8,952,1			SO VD	208 155	\$1.50	\$312.23
SMOOTHNESS         LN.MILE         33.84         \$11,000         \$372,1           TOTAL INCENTIVES         \$698,1           SUBTOTALE         \$142,161,1           CONSTRUCTION ENGINEERING         9%         \$12,794,1           CONSTRUCTION CONTINGENCY         5%         \$7,108,1           TOTAL ESTIMATED CONSTRUCTION COST         \$149,269,1           DESIGN ENGINEERING (8%)         ACRE         70.6         \$126,800         \$8,952,1					1,000	
TOTAL INCENTIVES   \$698;   SUBTOTAL E				1000		
SUBTOTAL E         \$142,161,4           CONSTRUCTION ENGINEERING         9%         \$12,794,5           CONSTRUCTION CONTINGENCY         5%         \$7,108,4           TOTAL ESTIMATED CONSTRUCTION COST         \$149,269,4           DESIGN ENGINEERING (8%)         8%         \$11,941,7           ROW         ACRE         70.6         \$126,800         \$8,952,4			TAIN.IVIILE	33.04	Ψ11,000	
CONSTRUCTION ENGINEERING         9%         \$12,794,           CONSTRUCTION CONTINGENCY         5%         \$7,108,           TOTAL ESTIMATED CONSTRUCTION COST         \$149,269,           DESIGN ENGINEERING (8%)         8%         \$11,941,           ROW         ACRE         70.6         \$126,800         \$8,952,				-		
CONSTRUCTION CONTINGENCY         5%         \$7,108,108,108,108,108,109,108,109,109,109,109,109,109,109,109,109,109		The state of the s			90%	\$12,794,54
TOTAL ESTIMATED CONSTRUCTION COST         \$149,269,4           DESIGN ENGINEERING (8%)         8%         \$11,941,           ROW         ACRE         70.6         \$126,800         \$8,952,						\$7,108,08
DESIGN ENGINEERING (8%) 8% \$11,941,: ROW ACRE 70.6 \$126,800 \$8,952,					570	\$149,269,68
ROW ACRE 70.6 \$126,800 \$8,952,					8%	\$11,941,57
			ACRE	70.6		\$8,952,08
· · · · · · · · · · · · · · · ·		TOTAL COST				\$170,163,34

#### **Table 14-5**

# ARIZONA DEPARTMENT OF TRANSPORTATION VALLEY PROJECT MANAGEMENT SECTION MAG CONSTRUCTION COST ESTIMATE

HIGHWAY SR 303 L ID NO. WORK DESCRIPTION: 6-lane freeway

SECTION Segment 1 - I10 TI Phase 2

LENGTH 1.06 Mile Level 1 PROJECT STATUS: DCR May 2008

ITEM	MAJOR FEEM DESCRIPTION	UNIT	OLIANITETS	UNIT	TOTAL
200	MAJOR ITEM DESCRIPTION  EARTH WORK	UNII	QUANTITY	COST	COST
200	ROADWAY EXCAVATION	CU. YD.	1,963,300	\$3.87	\$7,597,97
	DRAINAGE EXCAVATION - ONSITE	CU. YD.	250,000	\$7.00	\$1,750,00
			000000000000000000000000000000000000000	100000000000000000000000000000000000000	
	DRAINAGE EXCAVATION - OFFSITE CHANNEL	CU. YD.	0	\$6.00	\$
	DRAINAGE EXCAVATION - OFFSITE BASIN	CU. YD.	0	\$6.00	\$
	BORROW TOTAL ITEM 200	CU. YD.	0	\$10.00	\$9,347,97
Success See			- 1		<b>42,21</b> 7,27
300 & 400	BASE AND SURFACE TREATMENT CONCRETE PAVEMENT/AR-ACFC	GO VD	00 500	050.25	64 455 07
		SQ. YD.	88,500	\$50.35	\$4,455,97
	ASPHALT PAVEMENT TOTAL ITEM 300 & 400	SQ. YD.	10,585	\$21.79	\$230,64 \$4,686,62
500	DRAINAGE				ψ4,000,0 <u>2</u>
	ON-SITE	MILE	1.06	\$2,640,264	\$2,798,68
	OFF-SITE (Van Buren to I-10)	L.SUM	1		\$1
	PUMP STATION	EACH	0		\$
	TOTAL ITEM 500				\$2,798,68
600	STRUCTURES	ao III	205.050	0120	025 625 00
	BRIDGE	SQ.FT.	296,960	\$120	\$35,635,20
	RID CANAL STRUCTURE	SQ.FT.	42,000	\$55	\$2,310,00
700	TOTAL ITEM 600 TRAFFIC ENGINEERING				\$37,945,20
/00	SIGNING & STRIPING	MILE	1.06	\$981,699	\$1,040,60
	LIGHTING	MILE	1.06	\$973,595	\$1,032,01
			200,000,000		
	SIGNAL	EACH	0	\$175,000	\$
	TOTAL ITEM 700	MILE	1.06	\$232,961 MILE	\$246,93 \$2,319,55
800	LANDSCAPING			111111	<b>42,517,55</b>
	LANDSCAPING	MILE	1.06	\$1,105,281	\$1,171,59
	TOTAL ITEM 800				\$1,171,59
900	INCIDENTALS				
	WELL RELOCATION	EACH	0	\$684,000	\$
	WALLS (SOUND)	SQ.FT.	0	\$30	\$
	WALLS (RETAINING)	SQ.FT.	85,015	\$65	\$5,525,97
	MAJOR ITEMS OF WORK (Conc. barrier, C&G etc.	MILE	1	\$1,165,748	\$1,165,74
	UTILITY RELOCATION	L.SUM	0	\$0	\$
	RAILROAD SHOOFLY	EACH	0	3.1	\$
7T	TOTAL ITEM 900				\$6,692,00
	SUBTOTAL A MISCELLANEOUS WORK				\$64,961,62
	SUBTOTAL B			20%	\$12,992,32 \$77,953,94
	DUST PALLIATIVE			2%	\$1,559,07
	FURNISH WATER			2%	\$1,559,07
	MAINTENANCE AND PROTECTION OF TRAFFIC	4		5%	
	EROSION CONTROL AND POLLUTION PREVEN				\$3,897,69
		HON		2%	\$1,559,07
	CONTRACTOR QUALITY CONTROL			4%	\$3,118,15
	TOTAL SUBTOTAL C				\$11,693,09
	MOBILIZATION			8%	\$89,647,03 \$7,171,76
	SUBTOTAL D			070	\$7,171,76 \$96,818,80
	INCENTIVES	1-1,-1	1		,010,00
	MATERIAL QUALITY (PCCP)	SQ. YD.	88,500	\$1.50	\$132,75
	MATERIAL QUALITY (AC)	Tons	7,100	\$1.50	\$10,65
	SMOOTHNESS	LN.MILE	12.72	\$11,000	\$139,92
	TOTAL INCENTIVES			1-1,000	\$283,32
	SUBTOTALE				\$97,990,39
	CONSTRUCTION ENGINEERING			9%	\$8,819,13
	CONSTRUCTION CONTINGENCY			5%	\$4,899,52
	TOTAL ESTIMATED CONSTRUCTION COST				\$102,889,91
	DESIGN ENGINEERING (8%)	ACDE	0	8%	\$8,231,19
	ROW COST	ACRE	0	\$315,400	\$
	TOTAL COST				\$111,121,11